DuPont Pompton Lakes Works
2000 Cannonball Road
Pompton Lakes, NJ 07442

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December 17, 2010

Mr. Frank Faranca
New Jersey Department of Environmental Protection
Division of Responsible Party Site Remediation
401 East State Street
P.O. Box 028
Trenton, New Jersey 08625-0028

RE: Revised Vapor Intrusion Remedial Investigation Report
Vapor Intrusion Investigation
DuPont Pompton Lakes Works
Pompton Lakes, New Jersey

Dear Mr. Faranca:

Enclosed for your review are the revised sections of the *Vapor Intrusion Remedial Investigation Report* (1 hard copy and 3 CDs each containing an electronic copy). In consideration of the number of pages that have not been modified and being mindful of the environment, it is requested that you replace the revised sections in the original report as follows:

- Text – Replace with enclosed copy and discard original.
- Figures – Replace Figures 2, 19, and 19A with enclosed copy and discard original.
- Appendix A – Replace certification pages with enclosed copy and discard original.

If you have any questions, please contact me at (973) 492-7733.

Sincerely,

David E. Epps, P.G.
Project Director, Pompton Lakes Works
DuPont Corporate Remediation Group

cc: Clifford Ng – USEPA Region II (1 hard copy/3 CDs)
PLW Central File

REPORT

Vapor Intrusion Remedial Investigation Report
Pompton Lakes Works
Pompton Lakes, Passaic County, New Jersey
PI #007411

E.I. du Pont de Nemours and Company
2000 Cannonball Road
Pompton Lakes, NJ 07442

June 2010

Revised December 2010

and

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Remedial Investigation Report
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E.I. du Pont de Nemours and Company
2000 Cannonball Road
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All materials printed on recycled paper.

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ACRONYMS

ACO	Administrative Consent Order
bgs	below ground surface
CT	carbon tetrachloride
CEA	Classification Exception Area
CGMP	Comprehensive Groundwater Monitoring Program
cis-1,2-DCE	cis-1,2-dichloroethene
COC	constituent of concern
CSM	conceptual Site model
1,1-DCA	1,1-dichloroethane
1,2-DCA	1,2-dichloroethane
1,1-DCE	1,1-dichloroethene
DDR	DuPont data review
DuPont	E.I. du Pont de Nemours and Company
EDD	electronic data deliverable
EI	Environmental Indicator
EIA	Expanded Investigation Area
GWSL	Groundwater Screening Level
HSWA	Hazardous and Solid Waste Amendments
I-287	Interstate 287
IRM	interim remedial measure
MDL	method detection limit
ml	milliliter
MLE	multiple lines of evidence
NJDEP	New Jersey Department of Environmental Protection
NJDEP-LLTO-15-3/2007	NJDEP-SRWM Low Level USEPA TO-15 Method
PCE	tetrachloroethene
PDB	passive diffusion bag
PLW	Pompton Lakes Works
ppb	parts per billion
PQL	practical quantitation limit
QA	quality assurance

QC	quality control
RBC	risk-based concentration
RI	remedial investigation
SHA	Sanborn Head & Associates, Inc.
TA	Test America Laboratories, Inc.
1,1,1-TCA	1,1,1-trichloroethane
TCE	trichloroethene
trans-1,2-DCE	trans-1,2-dichloroethene
TRSR	*Technical Requirements for Site Remediation*
µg/L	microgram per liter
µg/m^3	microgram per cubic meter
USEPA	U.S. Environmental Protection Agency
VC	vinyl chloride
VIG	*Vapor Intrusion Guidance*
VI	vapor intrusion
VIIWP	*Vapor Intrusion Investigation and Remedial Action Work Plan*
VIRIR	*Vapor Intrusion Remedial Investigation Report*
VIRMWP	*Vapor Interim Remedial Measure Work Plan*
VIRMWP Addendum	*Vapor Intrusion Investigation Technical Memorandum – Phase II Program*
VMA	Vapor Mitigation Area
VOC	volatile organic compound

EXECUTIVE SUMMARY

The former E.I. du Pont de Nemours and Company (DuPont) Pompton Lakes Works (PLW) Site is located at 2000 Cannonball Road in Pompton Lakes, Passaic County, New Jersey. Vapor intrusion (VI) investigation activities have been performed during the time period of March 2008 through May 2010 to evaluate the VI pathway in the offsite area of shallow groundwater contamination. This *Vapor Intrusion Remedial Investigation Report* (VIRIR) describes the investigative activities performed to date, presents the results of those activities, provides an evaluation of the data, and offers conclusions based on the results.

The scope of the overall VI program has included work in the offsite shallow groundwater plume area. This area is further defined as the Vapor Mitigation Area (VMA), which represents the area above contaminated shallow groundwater and the Expanded Investigation Area (EIA), which represents the areas along the edges of the VMA (or shallow groundwater plume boundary.

Based on an assessment of the data collected during the early phases of the VI program, installation of vapor mitigation systems was offered as an interim remedial measure to those property owners located in the VMA. DuPont believes that proactively offering systems to those residences located above the groundwater plume is an appropriate measure while efforts continue to assess potential remedial technologies for implementation in the offsite groundwater plume area.

Data collected as part of the VIRIR were evaluated to produce graphical and tabular summaries using generally accepted methodologies commonly employed for assessment of similar data. The following conclusions were drawn based on factual findings as well as weight of evidence observations developed in review of the PLW data and comparing the PLW data against published information compiled by the U.S. Environmental Protection Agency and others:

- The body of data largely validates that the VMA/EIA boundaries established at the start of the program, and the VI investigation process has substantially defined the presence of subsurface vapors associated with volatile organic compound (VOC) impacted groundwater.
- The VI investigation process has also successfully identified where additional mitigation was warranted along the boundaries of the initial VMA established, based on sub-slab soil gas sampling.
- The data collected indicates that the VI pathway potentially exists and, therefore, installation of a vapor mitigation system at structures located within the boundaries of the VMA is recommended to remove the potential pathway.
- The indoor air concentrations found during the VI investigation are consistent with background levels typically found in residential structures not above a groundwater plume. This is consistent when looking at the full dataset (heating and non-heating season data) as well as just the heating season data only.
- The aggregate body of paired sub-slab soil gas and indoor air quality data (full dataset as well as heating season data only) do not indicate a strong correlation between sub-slab soil gas concentrations and indoor air quality.
- Data from indoor air (full dataset as well as heating season data only) and sub-slab soil gas sampling has indicated the presence of certain target VOCs that is attributable to background sourcing within the structures and not to VI.
- Sampling results do not show a negative effect on ambient air quality as a result of vapor mitigation system operation.

1. INTRODUCTION

1.1 BACKGROUND

The former E.I. du Pont de Nemours and Company (DuPont) Pompton Lakes Works (PLW) Site is located at 2000 Cannonball Road in Pompton Lakes, Passaic County, New Jersey (see Figure 1). DuPont retained O'Brien & Gere to perform vapor intrusion (VI) investigation activities to evaluate the VI pathway in the offsite area of shallow groundwater contamination. The VI program has been carried out under the oversight of the New Jersey Department of Environmental Protection (NJDEP) and U.S. Environmental Protection Agency (USEPA). Sanborn Head & Associates, Inc. (SHA) was also retained by DuPont to collaborate with O'Brien & Gere in the evaluation of the data collected as part of the VI investigation. This *Vapor Intrusion Remedial Investigation Report* (VIRIR), prepared in accordance with NJDEP's *Technical Requirements for Site Remediation* (TRSR) (N.J.A.C. 7:26E), describes the investigative activities performed to date, presents the results of those activities, provides an evaluation of the data, and offers conclusions based on the results.

The VI investigation has been conducted in accordance with the following regulatory VI guidance documents:

- *Draft Guidance for Evaluating the Vapor Intrusion to Indoor Air Pathway from Groundwater and Soils (Subsurface Vapor Intrusion Guidance)*. USEPA. November 2002; and
- *Vapor Intrusion Guidance* (VIG). NJDEP. October 2005 and updates.

Additionally, the following works plans, submitted by DuPont and approved by NJDEP and USEPA, have been followed in completion of the VI investigation:

- *Vapor Intrusion Investigation and Remedial Action Work Plan* (VIIWP) dated June 25, 2007;
- *Vapor Interim Remedial Measure Work Plan* (VIRMWP) dated June 16, 2008; and
- *Vapor Intrusion Investigation Technical Memorandum – Phase II Program* (VIRMWP Addendum) dated November 4, 2009.

1.2 SCOPE OF INVESTIGATION

The scope of the overall VI program has included work in the offsite shallow groundwater plume area. This area is further defined as the Vapor Mitigation Area (VMA), depicted as the blue-shaded area on Figure 2, which represents the area above contaminated shallow groundwater and the Expanded Investigation Area (EIA), depicted as the green-shaded areas on Figure 2, which represents the areas along the edges of the VMA (or shallow groundwater plume boundary). Investigative activities have consisted of:

- Offsite shallow groundwater sampling within the currently known plume area to further assess and define the edges of the plume boundary and update the conceptual Site model (CSM);
- Pre-mitigation sampling consisting of indoor and ambient air and sub-slab soil gas within the VMA to further evaluate the vapor pathway and update the CSM; and
- Sub-slab soil gas sampling along the groundwater plume boundary (EIA) to assess whether the potential for VI exists and, if warranted, expand and redefine the VMA where necessary.

Based on an assessment of the data collected during the early phases of the VI program, installation of vapor mitigation systems was offered as an interim remedial measure (IRM) to those property owners located in the VMA. DuPont believes that proactively offering systems to those residences located above the groundwater plume is an appropriate measure while efforts continue to assess potential remedial technologies for implementation in the offsite groundwater plume area.

1.3 PURPOSE OF REPORT

The purpose of this VIRIR is to summarize the VI investigative activities completed to date (spanning a time period of March 2008 through May 2010) and present the data collected along with observations from the statistical evaluation conducted on that data. VI investigative activities are ongoing. This assessment shows that the objectives of the VI program implemented by DuPont to characterize and address the vapor pathway have been effective.

1.4 REPORT ORGANIZATION

The remainder of this report contains descriptions and results of the activities performed as part of the VI investigation. Brief summaries of the remaining sections are presented below:

- Section 2: *Site Background and Physical Setting* – provides information on the site location and operating history, environmental setting, and summary of previous investigations and remedial activities conducted at the Site.
- Section 3: *Vapor Intrusion Remedial Investigation Activities* – presents a summary of field activities conducted as part of the VI investigation.
- Section 4: *Data Presentation and Evaluation* – presents a statistical evaluation of the results obtained as part of the VI investigation.
- Section 5: *Conclusions* – provides conclusions based on the data collected.

A copy of the signed Remedial Investigation Report Form is provided in Appendix A. The Case Inventory Document is provided in Appendix B.

2. SITE BACKGROUND AND PHYSICAL SETTING

2.1 SITE DESCRIPTION AND LOCATION

The 570-acre PLW Site is located in the Boroughs of Pompton Lakes and Wanaque in Passaic County, New Jersey (see Figure 1). The Site consists of northeast trending ridges and valleys containing two major drainage areas: Wanaque River (former Lake Inez) on the west and Acid Brook on the east. Interstate 287 (I-287) crosses the northern and western portions of the Site isolating approximately 70 acres. The Site is bordered to the northeast and east by Ramapo State Forest (deciduous forest and some deciduous wooded wetlands), to the south by the town of Pompton Lakes (industrial, commercial/services, and residential land use) and Pompton Lake, and to the west and northwest by Twin Lake Valley (commercial/services and residential land use) and the Borough of Wanaque.

The portion of the Borough of Pompton Lakes that falls within the offsite groundwater plume area is primarily residential. There is one commercial facility south of the PLW Site, Valbruna Stainless Inc., and an active railroad line runs just south of the Site from the east/northeast to the west/southwest. Pompton Lake is located approximately ½ mile south of the Site.

2.2 SITE OPERATIONAL HISTORY

In the late 1800's, the H. Julius Smith Blasting Cap Plant and the American Smokeless Powder Plant were operating in Wanaque River Valley, and the Metallic Cap Company was operating in Acid Brook Valley. In 1902, DuPont purchased the Site and began operation of the DuPont Electric Exploder Company in Wanaque River Valley. In 1908, DuPont opened the DuPont Cap Works in Acid Brook Valley. DuPont ceased production in Wanaque River Valley in 1926 and consolidated operations in Acid Brook Valley. From that time until April 1994 when operations permanently ceased, DuPont production activities generated a variety of explosive products and used chlorinated solvents as degreasers during the production process.

2.3 PREVIOUS SITE-RELATED ACTIVITIES

In 1988, DuPont entered into an Administrative Consent Order (ACO) with NJDEP for the PLW Site. In 1992, DuPont was issued a Hazardous and Solid Waste Amendments (HSWA) permit by USEPA. The ACO and HSWA permit, which were revised in 1996, require DuPont to conduct a remedial investigation (RI) addressing contamination at, or emanating from, the Site.

2.3.1 Groundwater

Groundwater investigation and monitoring began at the Site in the early 1980's. A Comprehensive Groundwater Monitoring Program (CGMP) was developed in 1995 and implemented at the PLW Site in 1996. This program was developed based on an extensive review of data collected from 126 monitoring wells located onsite and offsite. The analysis performed as part of the CGMP determined that the primary constituents of concern (COCs) in groundwater, both onsite and offsite, consist of chlorinated volatile organic compounds (VOCs). As part of the CGMP, groundwater quality is monitored on a semi-annual basis (May and November) from onsite and offsite wells with the results reported on an annual basis (in February). The groundwater plume has been delineated and four Classification Exception Areas (CEAs) are in place at the Site; three onsite and one offsite. The offsite CEA (identified as CEA #4) extends from the southeastern PLW Site boundary and continues offsite south-southeast to Pompton Lake, and is the focus of this VIRIR.

Remedial activities have been implemented for both soil and groundwater onsite. The remedial action for onsite groundwater has included the installation and operation of the groundwater IRM pump and treat system to address VOCs, which went online in August 1998. Five recovery wells located along the southern Site boundary extract, on average, 8 million gallons of groundwater per month from the Acid Brook Valley alluvial aquifer. Groundwater containing chlorinated VOCs is treated via air stripping and the treated groundwater is reintroduced into the ground via subsurface infiltration beds located onsite along the southwestern Site boundary. This discharge creates an area of elevated water levels along the

southeastern Site boundary where the infiltration beds are located. This "ridge" of groundwater prevents groundwater north of this area from leaving the Site; it is instead captured by the pumping wells just north of the infiltration beds. As treated water is introduced into the shallow zone through the infiltration beds, it tends to flow in the shallow zone since it is more permeable than the underlying intermediate zone. Therefore, a layer of cleaner water spreads in the shallow zone downgradient from the infiltration beds to offsite areas.

Groundwater elevations and pump and treat influent and effluent VOC concentrations are measured on a monthly basis and reported quarterly under the discharge to groundwater permit. Groundwater data indicate that the system is meeting the objectives as stated in the NJDEP-approved 1993 *Groundwater Remedial Action Plan*, which is to stabilize onsite residual sources of groundwater contamination that has the greatest potential for offsite migration. Groundwater VOC concentrations downgradient of the Site have been reduced significantly in the 12 years that the pump and treat system has been operational. The treated water flowing from the infiltration beds has created a zone of cleaner water, or "flushing zone", offsite and downgradient from the infiltration beds. This flushing zone is larger in the shallow zone because it is more permeable. The offsite flushing zone is progressively smaller with depth.

2.3.2 Vapor Intrusion

As part of USEPA's Environmental Indicator (EI) CA725 determination that current human exposures are under control, DuPont implemented a staged approach for collecting current environmental data and updating the VI assessment. The first stage of investigation was to identify the COCs in onsite and offsite groundwater. The next stage consisted of the collection of paired groundwater and soil gas samples to evaluate vapor attenuation through the vadose zone.

The soil gas and groundwater data were screened against USEPA's generic screening levels as part of the EI CA725 determination. Shallow soil gas data was used to assess potential human exposures due to VI. As a result of that assessment, USEPA and NJDEP required further evaluation of the VI pathway. The work completed and presented in this VIRIR addresses that request.

2.4 CONCEPTUAL SITE MODEL

2.4.1 Geology

Previous studies show that two primary geologic units, crystalline bedrock and alluvial deposits, underlie the Site. The crystalline bedrock comprises deformed and metamorphosed high-grade gneisses and the topography of the bedrock surface varies from gently undulating to steeply sloping.

The alluvial deposits are one continuous unit that consists of a fining-downward, stratified glacial sequence that, in the past, has been divided into the following three monitoring zones:

- The shallow alluvial zone is comprised of colluviums, fill, and glacial till deposits that are generally poorly-sorted coarse to medium-grained sand and gravel with some layers of very coarse gravel. This shallow zone ranges from approximately 5 to 20 feet in thickness.
- The intermediate alluvial zone is comprised of glacial fluvial deposits that are generally very fine to medium-grained sand. This intermediate zone ranges from approximately 15 to 80 feet in thickness.
- The deep alluvial zone is comprised of glacial lacustrine deposits that are generally very fine-grained sand, silty sand, and very fine-grained sandy silt. This deep zone is highly variable in thickness and can be up to 90 feet thick in bedrock surface structural lows.

2.4.2 Hydrogeology

The offsite groundwater plume area exists in a residential neighborhood south of the PLW Site. Groundwater underlying this area is impacted by chlorinated VOCs with concentrations varying across the alluvial zone from non-detect at the cross-gradient eastern and western limits up to several hundred parts per billion (ppb) total VOCs in the interior of the plume. The direction of groundwater flow in the shallow

zone within the offsite plume area is toward the southeast with depth to groundwater varying seasonally and spatially from approximately 5 to 21 feet below ground surface (bgs).

The saturated thickness of the offsite alluvial aquifer ranges from approximately 78 feet along Barbara Drive to 165 feet near the Pompton Lake shoreline. Because of decreasing permeability as the deposits fine downwards, the monitoring wells screening the alluvium have been divided into the three categories discussed above in Section 2.4.1. Groundwater will flow faster in the shallower zones because the alluvium is more permeable (coarser) than the deep zones.

The nature and extent of groundwater contamination both on- and off-site have been extensively monitored and characterized. The groundwater plume is stable and well defined. The following ten chlorinated VOCs have been identified as COCs in onsite and offsite groundwater:

- Tetrachloroethene (PCE),
- Trichloroethene (TCE),
- cis-1,2-Dichloroethene (cis-1,2-DCE),
- trans-1,2-Dichloroethene (trans-1,2-DCE),
- 1,1-Dichloroethene (1,1-DCE),
- 1,1,1-Trichloroethane (1,1,1-TCA),
- 1,1-Dichloroethane (1,1-DCA),
- 1,2-Dichloroethane (1,2-DCA),
- Vinyl chloride (VC), and
- Carbon tetrachloride (CT).

Since 1995, shallow groundwater concentrations are stable and have generally decreased by approximately an order of magnitude or greater. This data suggests that the offsite shallow groundwater plume is diminishing in the residential area. The pump and treat system has been limiting further contamination from leaving the PLW Site and, furthermore, is flushing clean water into the edge of the offsite plume by injecting the treated groundwater back into the aquifer.

2.4.3 Vapor Intrusion Pathway

Chlorinated VOCs volatilizing from shallow groundwater are a potential source of VOCs in soil gas and sub-slab soil gas overlying the groundwater plume. Buildings within the shallow groundwater plume area are primarily single-family homes which, based on observations to date, have basements with concrete floor slabs that are intact and lack significant cracks or other openings to the subsurface, as well as dirt and/or concrete floor accessible crawlspaces and inaccessible crawlspaces.

As depicted on Figure 3, some of the primary factors influencing the potential for VI and indoor air quality include building HVAC and foundation conditions that vary between buildings as well as vary in time for a given building. Soil conditions that affect subsurface vapor migration are also highly variable spatially and temporally, influenced to a large degree by soil texture, soil moisture conditions, and ground cover. The type of sub-slab material (such as crushed stone or compacted clay) can also have an effect on the ability of soil gas to migrate directly beneath clay.

3. VAPOR INTRUSION REMEDIAL INVESTIGATION ACTIVITIES

This section describes the field investigation procedures and approach, analytical methods, and data usability executed as part of the VI investigation. Work was conducted in accordance with the guidance documents and approved work plans summarized in Section 1.1.

3.1 SAMPLING APPROACH

3.1.1 Initial Sub-Slab Soil Gas

During March through May 2008, in accordance with the VIIWP, sub-slab soil gas sampling was conducted at seven properties located near wells MW-128 (5 locations) and MW-132 (2 locations). These wells historically had exhibited the highest total VOC concentrations and are screened in the shallow alluvium. Sub-slab soil gas results indicated PCE and TCE concentrations above the Site-Specific Sub-Slab Soil Gas Comparison Levels. Based on these results, a broader VI program was developed and implemented in June 2008 and is still ongoing.

3.1.2 Shallow Groundwater

Groundwater sampling was initially conducted during March and May 2008 at select offsite monitoring wells to further characterize water quality conditions at the top of the shallow aquifer and to assess VOC concentrations that may potentially migrate to soil gas in the overlying vadose zone. Shallow groundwater results for PCE and TCE exceeded NJDEP's Groundwater Screening Level (GWSL) for the vapor pathway of 1 microgram per liter (µg/L) (for both constituents) at a number of the monitoring wells. Using the results of this effort, temporary wells were installed across the offsite groundwater plume area during August and November 2008 to fill identified data gaps. Groundwater samples from the temporary wells were used in conjunction with the results from monitoring well sampling to update the CSM and further refine the 1 µg/L shallow groundwater isoconcentration contour boundary (or VMA boundary) for PCE and TCE (see Figure 2). Property owners within the VMA were proactively offered a vapor mitigation system to eliminate the vapor pathway while additional data on the vapor pathway continued to be collected and evaluated.

3.1.3 Vapor Mitigation Area

In accordance with the VIRMWP, a vapor mitigation system and pre-mitigation indoor air sampling were offered to property owners located within the VMA starting in June 2008. Installation of mitigation systems is currently ongoing. In November 2009, at the direction of NJDEP and USEPA, DuPont initiated the next phase of the overall VI program (as outlined in the VIRMWP Addendum) which consisted of paired sub-slab soil gas and indoor air sampling at properties in the VMA where systems had not yet been installed. This sampling was conducted during November 2009 through March 2010, which correlated to a time at which a structure is more likely to be under maximum potential depressurization. Based on the results of the sampling, the recommended course of action (as outlined on the decision flow chart in the VIRMWP Addendum) consisted of different options such as vapor mitigation system installation, long-term indoor air monitoring, and collection of additional or confirmatory samples for sub-slab soil gas and indoor air.

3.1.4 Conceptual Site Model Update

Along with the shallow groundwater sampling described in Section 3.1.2 above, concurrent sub-slab soil gas and indoor air sampling was conducted at select properties in the VMA (as well as a few properties in the EIA) to obtain Site-specific data for evaluation of the soil vapor pathway and to update the CSM. A total of 39 structures were sampled and focused on representative structures to provide a range based on the age of the house, type of foundation, condition of slab, and concentrations in shallow groundwater underlying the structure. The results of this effort were presented in the *Conceptual Site Model Technical Memorandum* submitted to NJDEP and USEPA on January 16, 2009.

3.1.5 Expanded Investigation Area

Sub-slab soil gas sampling was conducted at properties originally 100 feet beyond the 1 µg/L PCE/TCE groundwater contour boundary and more recently, expanded to 200 feet of the boundary at the request of NJDEP and USEPA. The objective of this sampling effort has been to assess whether the potential for vapor intrusion exists and, if warranted, to expand the VMA boundary as necessary. Where sub-slab soil gas concentrations at a specific structure have indicated the presence of COCs above the Site-Specific Sub-Slab Soil Gas Comparison Levels, the property has been "moved" over to the VMA (i.e., offered a pre-mitigation indoor air sample and installation of a vapor mitigation system) and additional sub-slab soil gas sampling has been conducted at adjacent properties in the area (if access was permitted by the property owner) to further evaluate and refine the boundary.

3.2 SAMPLING METHODOLOGIES

3.2.1 Shallow Groundwater

During March and May 2008, groundwater sampling was conducted at 10 shallow offsite monitoring wells. Samples were collected using passive diffusion bags (PDBs) set at the top of the water table.

During August and November 2008, 22 shallow overburden temporary wells were installed, sampled, and abandoned per NJDEP and USEPA guidelines. In general, the temporary wells were installed approximately 5 feet below the top of the water table. Total well depths ranged from approximately 15 to 25 feet bgs. Direct-push drilling techniques were utilized for installation of a pre-packed well system at each location. The purpose of a pre-packed well screen was to reduce the turbidity of the groundwater samples collected.

3.2.2 Sub-Slab Soil Gas

During March through May 2008 (under the VIIWP) and June 2008 through May 2010 (under the VIRMWP and VIRMWP Addendum), sub-slab soil gas samples were generally collected from a 3/8-inch diameter, temporary sample point in the basement (or on the first floor for buildings with slab-on-grade) of each structure sampled. The temporary sample point was created in the concrete flooring using a drill bit. The hole was advanced to just below the concrete slab. If additional sampling events were performed (such as confirmation sampling), the initial temporary sample point was re-drilled so that re-sampling was conducted in the same location.

The sub-slab soil gas sample was collected from tubing inserted into the temporary sample point. The annulus between the tubing and the temporary sample point was sealed to prevent leaks. The tubing was purged of the required volume (3 times the probe and tubing volume) and the sample was then collected in either a batch- or individually-certified 6-liter stainless steel canister with a flow controller set by the laboratory to achieve a flow rate of less than 0.2 liters per minute and a sampling duration of either 4 or 24 hours depending on the location and property owner availability. Sub-slab soil gas samples in the EIA were generally collected over a 4-hour time period while samples collected in the VMA were usually paired with either a design visit or collected concurrently with an indoor air sample and thus collected over a 24-hour time period.

A building survey and chemical inventory were completed for each structure where a sample was collected to document the presence of consumer/household products and materials as well as building characteristics. These forms have been submitted to NJDEP along with the laboratory analytical packages.

3.2.3 Pre-Mitigation Indoor Air

During June 2008 through May 2010, indoor air samples were collected in the basement (or on the first floor for buildings with slab-on-grade) of each structure sampled in accordance with the approved work plans. Indoor air samples were collected over a 24-hour period using individually-certified 6-liter stainless steel canisters with flow controllers. A building survey and chemical inventory were completed for each structure where a sample was collected to document the presence of consumer/household products and materials as well as building characteristics. These forms have been submitted to NJDEP along with the laboratory analytical packages.

3.2.4 Ambient Air

During June 2008 through May 2010, ambient (outdoor) air samples were collected simultaneously with the indoor air samples over a 24-hour period in accordance with the approved work plans. The sample location was selected based on a forecast of the prevailing wind direction for the 24-hour sampling period. Due to the large number of samples collected, the frequency of ambient air samples was such that one ambient air sample could be representative for more than one indoor air sample. Since there were no known nearby outdoor sources except for vehicular traffic (no known dry cleaners or other commercial or industrial facilities), one ambient air sample was considered representative of ambient air for all indoor air samples being collected at the same time (start times within approximately 4 hours of each other) and within two blocks (or a maximum 1,000 feet) of each other, provided that they were not separated by the main vehicular thoroughfare through the VMA (Colfax Avenue). The samples were collected using individually-certified 6-liter stainless steel canisters with flow controllers.

3.3 ANALYTICAL METHODOLOGIES

Shallow groundwater samples collected from the monitoring and temporary wells were transported via courier to Lancaster Laboratories in Lancaster, Pennsylvania for analysis of the 10 COCs using USEPA Method SW846-8260B with a 25 milliliter (ml) purge volume to achieve adequate reporting limits for comparison to NJDEP's Groundwater Screening Levels.

Sub-slab soil gas samples collected were transported via FedEx to Test America Laboratories, Inc. (TA) in South Burlington, Vermont for analysis of the 10 COCs using NJDEP-LLTO-15-3/2007.

Indoor and ambient air samples were transported via FedEx to TA for analysis of the full suite of VOCs using NJDEP-LLTO-15-3/2007. It should be noted, however, for the purposes of this report only the ten Site COCs are presented and evaluated.

Throughout the course of the VI investigation, as analytical data packages have been received from the laboratories, they have been submitted directly to NJDEP along with the required electronic data deliverables (EDDs). As such, they are not included as part of this report.

3.4 RELIABILITY OF ANALYTICAL DATA

VI investigation samples were collected in accordance with the guidance documents and approved work plans outlined in Section 1.1. Any variations to these documents were discussed with NJDEP and USEPA and received approval prior to implementation.

3.4.1 Sample and Location Coding System

The following sample and location coding system was utilized during the VI investigation sampling program:

Example ID: POM-A-1001(10 total characters) where

- Location (POM) = Pompton Lakes Works
- Sample Medium (A) = Air
- Sample Type = first digit in the 4-digit sequence where

  1-3 or A-C = sub-slab soil gas sample (accounted for multiple samples at a location)

  4-6 or D-F = indoor air sample (accounted for multiple samples at a location)

  7-9 or G-I = ambient air sample (accounted for multiple samples at a location)
- Sample Location = remaining 3 digits in the 4-digit sequence where

  001-999 indicated the property where the sample was collected

3.4.2 Data Validation

Shallow groundwater analytical data was reviewed via the DuPont Data Review (DDR) process. The DDR is an automated internal review process used to determine if the data is usable. The data is run through this automated program where a series of checks are performed on the data. No significant quality control (QC) exceptions were noted during the review. Some of the data was qualified as estimated (qualified with a "J") due to detections between the method detection limit (MDL) and the practical quantitation limit (PQL).

Sub-slab soil gas samples collected as part of the VIIWP were validated by O'Brien & Gere as well as NJDEP. No QC exceptions were noted during the validation process.

Sub-slab soil gas, indoor air, and ambient air samples collected as part of the VIRMWP and VIRMWP Addendum have been validated by NJDEP. With the exception of a few samples rejected due to sample dilutions and/or ending canister pressures, no significant QC exceptions have been identified to date as part of NJDEP's validation process. Where data was rejected, samples were re-collected at these locations for a complete dataset.

3.4.3 Quality Assurance/Quality Control

Field duplicates and trip/equipment blanks are not required by NJDEP-LLTO-15-3/2007 and, therefore, were not collected as part of the VI investigation.

The quality assurance (QA)/QC level of effort for field measurements (such as a canister vacuum, temperature, and barometric pressure) consisted of calibration checks of instrument readings. No deficiencies have been noted during the course of the VI investigation. Where instrumentation was found to not be properly operating, it was tagged appropriately and taken out-of-service and repaired.

Field documentation consisting of chain-of-custody records, NJDEP Building Survey Forms (including chemical inventory), and NJDEP Sampling Forms were used as a means of recording all data collection activities during the VI investigation. These forms have been submitted to NJDEP along with the laboratory analytical packages.

4. DATA PRESENTATION AND EVALUATION

The section discusses observations derived from systematic compilation, review, and reduction of the shallow groundwater, sub-slab soil gas, indoor air, and ambient air (media) data collected during the VI investigation. This section also presents summaries of the data and inferences regarding the apparent relationships among the datasets obtained and reviewed for these media. Analytical results are presented in Table 1 (shallow groundwater), Tables 2 and 3 (sub-slab soil gas), Tables 4 and 5 (indoor air), and Table 6 (ambient air).

The graphical and tabular data summaries provided in this section are intended to assist the reader in understanding the datasets within themselves and how they may relate to each other. These graphical and tabular summaries were prepared using generally accepted methodologies commonly employed for assessment of similar data. In general, evaluations of environmental data represent constituent concentrations reported by the laboratory as "non-detect" at one-half their respective reporting limit. If this were applied to the PLW dataset, the large number of "non-detects" in the dataset would effectively reduce the statistical results by one-half. However, for the analyses completed within this report, constituent concentrations reported by the laboratory as "non-detect" were represented in the evaluation at their respective reporting limit (e.g., PCE=1).

Further detail on the data and methodologies and the limitations associated with this analysis are outlined in each subsection below.

4.1 COMPARISON CRITERIA SUMMARY

Site-Specific Sub-Slab Soil Gas Comparison Levels were established as part of the VIIWP for the 10 Site COCs and consist of the more conservative (lower) of the following two criteria: NJDEP's anticipated residential screening levels for sub-slab soil gas as transmitted in correspondence to DuPont in March 2007 and USEPA's draft generic screening levels for shallow soil gas as outlined in their November 2002 *Draft Guidance for Evaluating the Vapor Intrusion to Indoor Air Pathway from Groundwater and Soils (Subsurface Vapor Intrusion Guidance)*.

Site-Specific Indoor Air Comparison Levels were established as part of the VIRMWP for the full suite of VOCs. NJDEP's Indoor Air Screening Levels are based on USEPA Region 3's Ambient Air Risk-Based Concentrations (RBC) table and represent the higher of the health-based (RBC) indoor air values and USEPA's Method TO-15 analytical reporting limits. The development of the Site-Specific Indoor Air Comparison Levels in the VIRMWP utilized these same procedures except that NJDEP's March 2007 *NJDEP-SRWM Low Level USEPA TO-15 Method* (NJDEP-LLTO-15-3/2007) has more conservative reporting limits; hence, the comparison levels are lower for certain compounds.

As outlined in the table below, in most cases sub-slab soil gas and indoor air comparison levels established for the PLW Site are more conservative (i.e., lower) than the current screening levels outlined in the VIG.

Analyte	Site-Specific Sub-Slab Soil Gas Comparison Level µg/m³	NJDEP VIG Residential Soil Gas Screening Level µg/m³	Site-Specific Indoor Air Comparison Level µg/m³	NJDEP VIG Residential Indoor Air Screening Level µg/m³
Carbon Tetrachloride	13	31	1	3
1,1-Dichloroethane	5,000	26,000	510	510
1,2-Dichloroethane	8	20	0.8	2
1,1-Dichloroethene	2,000	11,000	220	220
1,2-Dichloroethene (cis)	350	1,800	36	36
1,2-Dichloroethene (trans)	700	3,600	73	73
Tetrachloroethene	16	34	1	3
1,1,1-Trichloroethane	22,000	51,000	1,000	1,000
Trichloroethene	11	27	1	3
Vinyl Chloride	5	13	0.5	1

4.2 OVERVIEW

For each medium, graphics are presented depicting the frequencies of detection and the proportion of observations exceeding the screening/comparison levels. These levels (see Table 7), referred to as GWSLs (shallow groundwater), Site-Specific Sub-Slab Soil Gas Comparison Levels (sub-slab soil gas), and Site-Specific Indoor Air Comparison Levels (indoor air), are values established as benchmarks for this Site for comparison of investigation findings. Exceedances of a single screening/comparison level do not alone indicate that VI is occurring, but is considered an indicator of where the potential for VI may require further evaluation. Indoor air quality data are compared with statistical summaries of typical background indoor air quality for residential structures and indoor air quality data derived from published studies of other VI sites.

The data assessment focused on the 10 chlorinated VOCs identified as the Site COCs. The assessment was based on data available from the project database, which included data for shallow groundwater, sub-slab soil gas, indoor air, and ambient air samples from sampling conducted through March 2010, augmented with sub-slab soil gas and ambient air data associated with sampling conducted in April and May 2010 that were appended to the earlier data as it became available.

The data was used to compile statistical summaries that are reflected in the graphs and figures provided in the remainder of Section 4. These graphics include:

- Histograms summarizing the frequency of detection of each of the Site COCs (frequency of detection charts);
- Histograms summarizing the proportion of observations exceeding screening/comparison levels (frequency of exceedance charts) and plan view figures depicting the sampling locations and locations where the levels were exceeded;
- Box and whisker plots depicting statistical distributions for the data in comparison with published peer reviewed data sets for other VI sites and/or studies of background indoor air quality for residences (it should be noted that data used in creating plots were developed in accordance with NJDEP analytical reporting methodologies, while the peer reviewed data sets are based on varying analytical methodologies and the comparison should be viewed with this limitation in mind); and
- Scatter plots depicting paired sets of shallow groundwater data and sub-slab soil gas data along with the expected relationship based on theoretical equilibrium partitioning between aqueous (i.e., groundwater) and vapor phases.

In some cases, datasets were subdivided into smaller subsets based on the location of samples relative to areas designated during the VI investigation process (VMA and EIA) or inferred concentrations for shallow groundwater or sub-slab soil gas.

It should also be noted that data reduction and analysis was conducted on the datasets without considering the sampling methodologies, conditions, or building inventory surveys completed during indoor air and sub-slab soil gas sampling. As such, observations and inferences are based on the entire dataset, without consideration for bias that may be due to sampling variability, structural characteristics, ventilation conditions, or potential indoor sources observed at the time the sampling was conducted.

In recognition of the potential for background contributions to indoor air quality, the indoor air quality data collected in execution of the VI investigation were compared against statistics derived from studies of residential indoor air quality without VI and against statistics derived from other VI studies. These comparisons offer a valuable perspective in benchmarking the PLW data against what might be expected

for indoor air quality without VI, and what has been found in other high quality peer reviewed VI datasets published by USEPA,[1] Weisel, 2006,[2] and Dawson & McAlary, 2009.[3]

4.3 SHALLOW GROUNDWATER

The discussion presented in this subsection is based on data generated from sampling and analysis of shallow groundwater at 32 temporary or permanent well locations within and adjacent to the VMA and EIA. Groundwater samples were generally collected from depths at or near the water table, ranging from approximately 8 to 19 feet bgs. The sampling interval for the temporary locations was positioned within approximately 5 feet of the apparent water table. In cases where duplicate samples were collected, the sample exhibiting the highest concentrations of PCE and/or TCE (the primary site COCs) was included in the analysis.

Eight of the 10 Site COCs were detected in shallow groundwater samples as shown on Figure 4. PCE, TCE, and cis-1,2-DCE were the compounds most frequently detected, each in over half of the samples. Five other Site COCs were found more sporadically over limited geographic areas and at concentrations of 3.1 µg/L or less, typically at concentrations less than 1 µg/L. Two compounds, 1,2-DCA and VC, were not detected.

As shown on Figure 5, PCE and TCE were the only COCs detected in shallow groundwater at concentrations greater than the GWSLs. All but approximately one-quarter of the PCE values recorded for groundwater samples were below 11 µg/L, with all of the concentrations averaging 6.5 µg/L. About 95% of the TCE detections were below 10 µg/L, with all of the concentrations averaging 3.5 µg/L.

As shown on Figures 6 and 7, the locations where PCE and TCE exceeded the GWSLs overlap somewhat, but do not always coincide. The area where PCE and TCE concentrations were inferred to exceed 10 µg/L (10x the GWSL), based on the available data, represents about one-quarter of the VMA.

4.4 SUB-SLAB SOIL GAS

The discussion presented in this subsection is based on data generated from sampling and analysis of sub-slab soil gas within and outside of the VMA, including the EIA. The sub-slab soil gas data used to generate the graphical plots was derived from analysis of approximately 182 sub-slab gas samples collected from 140 structures between March 2008 and May 2010. A subset of the data is for repeat or confirmatory samples collected from the same location in a given structure at different times. The repeat sampling datasets were filtered prior to preparation of the graphics as follows:

- For locations with repeat or confirmatory samples, the sample with the highest concentrations of PCE and/or TCE (the primary Site COCs) was used in preparing the summary statistics.[4]

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[1] USEPA, "U.S. EPA's Vapor Intrusion Database: Preliminary Evaluation of Attenuation Factors", *Tables 4a. and 4b.: Background Indoor Air Concentrations Measured in North American Residences Since 1990 and Indoor Air Concentrations in Residences Included in EPA's Vapor Intrusion Database*, March 4, 2008.

[2] Weisel, C.P., "Investigation of Indoor Air Sources of VOC Contamination", *Table 5: Summary Statistics of Concentrations Given in ug/m³,* October 2006 (commissioned by NJDEP in 2005-2006).

[3] Dawson, H. & McAlary, T., "Compilation of Statistics for VOCs from Post-1990 Indoor Air Concentration Studies In North American Residences Unaffected by Subsurface Vapor Intrusion", Groundwater Monitoring and Remediation, Vol. 29, No.1, pp 60 to 69, Winter 2009.

[4] The results for three sub-slab gas samples exhibiting the highest concentrations of PCE and/or TCE were filtered from the dataset as anomalies based on confirmatory sampling results and prior acknowledgement of the NJDEP.

- In the few instances where an initial sample may have exhibited concentrations in excess of comparison levels, but this condition was not confirmed in subsequent confirmatory samplings, the plan view figures present the data from the confirmatory sample.
- Where sub-slab soil gas samples were collected on the same day from different locations within a structure, data from each of the sample locations are included in the analysis.

Since sub-slab soil gas data points were not precisely co-located with groundwater samples, scatter plot comparisons of paired sub-slab soil gas and nearby groundwater data were prepared by pairing nearby data according to the approach described below:

- The data for shallow groundwater sample locations were paired with sub-slab soil gas data recorded from samples collected within a 125-foot radius.
- The data from shallow groundwater sampling were paired with sub-slab soil gas data that were within a 250-foot radius if the sub-slab soil gas sample location was hydraulically side- or downgradient of the groundwater sample location based on apparent groundwater flow direction. In these cases, data was paired under the assumption that groundwater concentrations were substantially similar proximate to the sub-slab soil gas sampling location.
- Sub-slab soil gas sample data was not paired with more than one groundwater data point, only the nearest data point was used in the pairing.

4.4.1 Detection Analysis

In the dataset compiled as outlined above, all ten Site COCs were detected in sub-slab soil gas samples at the frequencies and concentration ranges shown on Figure 8. PCE, TCE, and 1,1,1-TCA were the compounds most frequently detected, each found in over one-half of the samples. Individually, the remaining seven Site COCs were detected in less than one-third of the samples.

As shown on Figure 9, PCE and TCE were the only COCs observed in more than one sub-slab soil gas sample at concentrations greater than comparison levels.[5] CT and cis-1,2-DCE were each observed in one sub-slab soil gas sample at concentrations slightly greater than comparison levels, but it should be noted that these sub-slab soil gas samples levels also displayed the highest PCE and TCE values in the dataset.

4.4.2 Spatial Analysis

The locations of sub-slab soil gas samples and those where PCE and TCE concentrations exceeded the comparison levels are presented in Figures 10 and 11, respectively. A review of these figures reveals that there are few locations outside the VMA where sub-slab soil gas was found to exceed comparison levels. The figures differentiate locations where PCE and TCE were found at concentrations exceeding 1,000 micrograms per cubic meter (µg/m^3)--or about two orders of magnitude above the comparison levels--at a handful of clustered locations within the bounds of the VMA, generally coinciding with where concentrations in groundwater were inferred to exceed 10 µg/L.

In the paired sets of nearby shallow groundwater and sub-slab soil gas data depicted on Figures 12 and 13, the observed sub-slab concentrations typically fall one-half to two orders of magnitude below those that would be expected based on theoretical equilibrium partitioning between aqueous (e.g., dissolved in groundwater) and vapor phases. The observed relationships between paired groundwater quality and sub-slab soil gas data sets are consistent with published data from other VI sites with similar soil conditions.

[5] As previously described, the Site-Specific Sub-Slab soil Gas Comparison Levels for PCE and TCE are less than half of the "screening levels" set forth in the NJDEP VIG, which are 34 and 27 µg/m^3 for PCE and TCE, respectively. The comparison levels for CT and cis-1,2-DCE are well below the screening levels set forth in the NJDEP VIG, which are 31 and 1,800 µg/m^3 for CT and cis-1,2-DCE, respectively.

The apparent one-half to two order of magnitude attenuation from groundwater to foundation depth is attributed in part to steep concentration gradients across wet soils near the water table and dilution. Additionally, various abiotic or biotic mechanisms such as oxidation/reduction, sorption, and biodegradation may contribute to the apparent attenuation to varying degrees.

4.5 PRE-MITIGATION INDOOR AIR

The discussion presented in this subsection is based on data from indoor air samples collected within structures located within and outside of the VMA. The dataset taken forward to analysis was derived from 467 pre-mitigation indoor air samples collected from 377 structures between June 2008 and March 2010. Therefore, this dataset represented samples collected both inside and outside the heating season with the heating season being defined as the time period of November 1st through March 31st and correlating to the time at which a structure is more likely to be under maximum potential depressurization. Further analysis of the indoor air dataset was performed using samples collected during the heating season only.

A portion of the sampling involved repeat or confirmatory samples, collected from the same location at a different time in a given structure. The repeat dataset was filtered prior to preparing the graphics as follows:

- For locations with repeat or confirmatory samples, the sample with the highest concentrations of PCE and/or TCE (the primary Site COCs), irrespective of the season during which it was collected, was used in the analysis.[6]
- Where indoor air samples were collected on the same day from different locations within a structure, all observations were included in the analyses. At the scale of the figures, these data points overlap on the plan view figures.

4.5.1 Detection Analysis

As shown on Figure 14 (includes both heating and non-heating season data), nine of the 10 Site COCs were detected in indoor air samples. Four compounds, PCE, TCE, 1,2-DCA, and 1,1,1-TCA, were the most frequently detected. Five of the other Site COCs were detected in less than 2% of the samples; most commonly at concentrations near laboratory reporting limits. The last compound, 1,1-DCE, was not detected. As shown on Figure 14A (heating season data only), four of the 10 Site COCs (PCE, TCE, 1,1,1-TCA, and 1,2-DCA) were detected in indoor air samples. TCE was only detected in 1 out of 90 samples.

PCE, TCE, and 1,2-DCA were found in samples of indoor air at concentrations exceeding comparison levels in 5% or more of the samples (see Figure 15 which includes both heating and non-heating season data). CT and VC were observed concentrations exceeding comparison levels in less than 1% of the indoor air samples.[7] Over 75% of the 1,2-DCA detections in indoor air samples exhibited concentrations less than 1 µg/m^3. Within the VMA, 95% of the 1,2-DCA observations were below about 4 µg/m^3, while outside the VMA, marginally higher concentrations were found with 95% below 6 µg/m^3. As shown on Figure 15A (heating season data only), only PCE and 1,2-DCA were observed at concentrations exceeding comparison levels; both at a lower exceedance percentage than the full dataset (i.e., heating and non-heating season data).

[6] The results for two indoor air samples exhibiting the highest concentrations of PCE and/or TCE were filtered from the dataset as anomalies based on confirmatory sampling results and prior acknowledgement of NJDEP.

[7] As previously discussed, the Site-Specific Indoor Air Comparison Levels for PCE, TCE, 1,2-DCA, CT, and VC are less than half of the screening levels set forth in the NJDEP VIG, which are 3 µg/m^3 for PCE, TCE, and CT, 2 µg/m^3 for 1,2-DCA, and 1 µg/m^3 for VC.

It is believed that the data for 1,2-DCA reflects a background condition given that 1,2-DCA was:

- Not detected in samples of shallow groundwater and was detected in only a few sub-slab gas samples, all at concentrations below the comparison level (8 µg/m^3);
- Detected at higher concentrations in indoor air than in paired sub-slab soil gas samples; and
- Detected at similar concentrations and frequencies in sampling conducted within the VMA (20%) and outside the VMA (26%), with no apparent spatial correlation with conditions recorded in groundwater and sub-slab gas samples.

It is acknowledged that 1,2-DCA was detected at a higher frequency (20% for the full dataset and 10% for the heating season only dataset) and at higher concentrations than background residential indoor air quality datasets reported by Dawson and McAlary, (2009)[8]. It is understood that other investigators have found an increased frequency of detection of 1,2-DCA as a background condition in investigations at other VI sites, perhaps reflecting an increased use of 1,2-DCA as a component of plastic molding and adhesives.[9] The data for 1,1,1-TCA, a compound very commonly found as a background condition in indoor air, is also believed to reflect background conditions. This compound was detected at similar or lower concentrations in sub-slab soil gas sampling. The sub-slab soil gas data for both 1,2-DCA and 1,1,1-TCA may in whole or in part reflect "vapor extrusion", or sub-slab soil gas presence related to VOCs transferred out of the structure to the subsurface under variable differential pressures.

Both CT and VC were detected in a small number of indoor air samples when evaluating the full dataset (heating and non-heating season data), with a small subset of the observations above what has been in the past published as background indoor air quality statistics. Both of these compounds have been detected at similar concentrations in a small number of sub-slab soil gas samples and in a few groundwater samples, but there is not a readily discernible spatial relationship among these data. CT is commonly found as a background condition in residential structures. CT and VC were not detected at all when evaluating the heating season data only. Based on the data presented above, the focus of following discussions is on PCE and TCE as the primary COCs of interest with respect to indoor air quality.

4.5.2 Spatial Analysis

Figure 16 presents a summary of the VI investigation PCE and TCE indoor air datasets (heating and non-heating season) compared against published peer reviewed datasets from other VI sites. Consistent with relatively low source strength (that is, low groundwater concentrations), the PCE and TCE indoor air datasets for the PLW Site reflect lower frequencies of detection over lower ranges of concentration than statistics compiled for data from other VI sites. The middle half of the PCE values (between the 25th to 75th percentiles, or within the "box"), fall in a narrow band between 1 and 2 µg/m^3. About 85% of the PCE observations fall below 3 µg/m^3, the "generic VI indoor air screening level" established by NJDEP's VIG. Similarly, about 75% of the TCE data fall at or below the comparison level with 98% below NJDEP's generic VI indoor air screening level of 3 µg/m^3 used as a default benchmark for other sites in New Jersey. Applying the criteria contained in the VIG to the existing dataset, exceedances for PCE and TCE would be reduced by 55% (114 to 51) and 60% (20 to 8), respectively. Figure 16A presents a similar analysis using heating season data only. In this dataset, 75% of the PCE and 95% of the results are 1 µg/m^3 or less. PCE was detected at or below

[8] In a study of indoor air quality data for residences unaffected by VI, Dawson and McAlary reported that 1,2-DCA was detected in 12.6% of indoor air samples with 95% of the observations below 0.2 µg/m^3, which is less than the reporting limit of about 0.8 µg/m^3 achieved for 1,2-DCA in testing during the VI investigation.

[9] Kurtz, J.P., E.M. Wolfe, A.K. Woodland, and S.J. Foster, "Evidence for Increasing Indoor Sources of 1,2-Dichloroethane Since 2004 at Two Colorado Residential Vapor Intrusion Sites", Ground Water Monitoring & Remediation, published online June 10, 2010.

NJDEP's generic VI indoor air screening level of 3 µg/m^3 in 95% of the samples while TCE was only detected in one sample (at the detected limit of 1 µg/m^3).

The locations where PCE and TCE were detected at concentrations above comparison levels using the full dataset (heating and non-heating season data) are shown in Figures 17 and 18, respectively. Figure 17 supports what is shown on Figure 20 (discussed below), that over half (56%) of the indoor air samples exceed the PCE indoor air comparison level in areas where sub-slab soil gas sampling found concentrations at or above 1,000 µg/m^3. Consistent with the relatively low source strength elsewhere in the VMA, less than one-third of the indoor air samples exceeded the PCE comparison level. As shown on Figure 17A (heating season data only), 6 of 7 samples (86%) collected exceeded the PCE indoor air comparison level at structures where sub-slab soil gas sampling found concentrations at or above 1,000 µg/m^3. As shown on Figure 18A (heating season data only), TCE was not detected above the indoor air comparison level, even where sub-slab soil gas concentrations were at or above 1,000 µg/m^3.

As has been found at other low source strength sites, the data on Figures 17/17A and 18/18A do not suggest a consistent spatial relationship between the presence of PCE and TCE in indoor air at concentrations greater than comparison levels and underlying groundwater concentrations. The exceedances are found in a "spotty" pattern sometimes reflecting large differences in indoor air quality for adjacent houses overlying similar sub-slab soil gas and groundwater concentrations. This spotty pattern of indoor air quality is consistent with the spatial variability normally found at VI sites.

The variability between groundwater, sub-slab soil gas, and indoor air concentrations observed during the VI investigation is consistent with other published VI datasets. In general, for a given groundwater and/or sub-slab soil gas concentration, there is considerable variability in overlying indoor air quality, particularly at relatively low source strength. As is the case at this and other VI sites, the complex relationships between these media reflect the typical variability in subsurface conditions and structure characteristics relevant to VI potential.

4.5.3 Background Analysis

The observed relationships among groundwater, sub-slab soil gas, and indoor air quality are further complicated by the potential influence of background sources. The presence of VOCs in indoor air samples may in whole or in part reflect a "background condition" related to ambient and indoor sources and may be unrelated to the subsurface presence of VOCs. In particular, PCE sourced from dry cleaning and consumer products is very commonly detected as a background condition in indoor air.

As part of a study commissioned by NJDEP (Weisel, 2006), indoor air concentrations of VOCs were measured in 100 homes in suburban and rural areas throughout New Jersey where no known environmental contamination was present. The data collected provides background indoor air concentrations for comparison to homes that might be above a contaminated water source to evaluate whether VI of VOCs is elevating the indoor air concentrations in those homes. Figures 19 (heating and non-heating season data) and 19A (heating season data only) show a comparison of indoor air levels of both PCE and TCE measured at PLW properties to the NJDEP commissioned study. As shown, the PLW concentrations for the 50th, 75th, and 95th percentiles as well as the maximum concentration are below the background levels stated in the NJDEP commissioned study for each of these constituents.

In an effort to understand the relationship of varying sub-slab concentrations and indoor air exceedance rates to published background statistics, an evaluation was conducted where the existing sub-slab data was extrapolated across the VMA using standard techniques; then the existing indoor air data was used to generate the graphs depicted on Figures 20 (heating and non-heating season data) and 20A (heating season data only). As shown on these figures, except in areas where sub-slab soil gas concentrations may potentially exceed 1,000 µg/m^3, the PCE and TCE indoor air exceedance frequencies are consistent with or

less than the exceedance rates observed based on USEPA's 2008 background datasets.[10] As shown on Figure 10, the locations where sub-slab soil gas concentrations were observed to exceed 1,000 µg/m^3 are generally found in a small part of the central portion of the VMA. Outside this area, the frequency of detection and range of concentrations observed are actually below what would be expected based on the published findings of background indoor air studies.

The empirical relationships among sub-slab soil gas and indoor air concentrations are commonly referred to as "attenuation factors." Given the observed variability in substructure to indoor air attenuation at other sites, attributable to the typical variability in subsurface and structure conditions relevant to VI, only a small proportion of the structures in the VMA would be expected to exhibit a detectable presence of VOCs in indoor air attributable to VI. For much of the VMA, on a statistical basis, VI cannot be readily distinguished from a background condition due to indoor sources.

4.6 AMBIENT AIR

The discussion presented in this subsection is based on data generated from ambient (outdoor) air samples collected within and outside the VMA, including the EIA. Ambient air data included in the analysis was derived from analysis of 454 ambient air samples collected between June 2008 and April 2010. The data included observations for samples that were collected from the same street address on more than one occasion.

As shown on Figure 21, five of the 10 Site COCs were detected in one or more ambient air samples; however, only PCE was observed in more than two samples, with seven detections at concentrations up to 7 µg/m^3, but are more typically near the reporting limit. For the few detections of the other four Site COCs found in ambient air samples, the concentrations range from about 1 to 3 µg/m^3.

The low frequency of detection in the VI investigation ambient air dataset cannot be readily distinguished from background ambient air datasets derived from regional outdoor air quality monitoring programs. As an example, a year-long study conducted by the New York State Department of Health[11] found PCE in ambient air as a background condition in about 29% of samples, at concentrations at or below 20 µg/m^3. TCE was detected in over 10% of the samples at concentrations up to approximately 1 µg/m^3.

Figure 22 shows the number of ambient air samples collected over time along with the number of samples where Site COCs were found above NJDEP reporting limits and the cumulative number of mitigation systems installed during this same period. While installation of approximately 190 vapor mitigation systems were completed during the period, there is no discernible difference in the frequency of detection and relative concentration of COCs in ambient air, supporting that vapor mitigation system installation and operation are not discernibly affecting outdoor ambient air quality.

[10] Based on the USEPA Published statistical distributions for "Background Residential Indoor Air Concentrations" 1 µg/m^3 would be expected to be equaled or exceeded about 37% of the time, equivalent to a 63rd percentile value.
[11] New York State Department of Health, "Study of Volatile Organic Chemicals in Air of Fuel Oil Heated Homes", *Appendix C, New York State Guidance for Evaluating Soil Vapor Intrusion in the State of New York*, October 2006.

5. CONCLUSIONS

The VI investigation was conducted in accordance with the approved work plans using methods consistent with those dictated by USEPA and NJDEP guidance and Site-specific comparison levels more conservative than those specified in NJDEP's VIG. Through this work, a large body of corroborative data founded on groundwater quality data and comprised of hundreds of observations of sub-slab gas, indoor air, and ambient air quality have been amassed.

It should be noted that the findings of indoor air sampling, and to a lesser degree sub-slab soil gas and ambient air sampling, reflect the combined influence of all sources. The nature of actual sourcing and resultant indoor air quality are expected to vary spatially and temporally and it is not possible to delineate the precise contribution from the various sources to a given snapshot of data. As such, inferences derived from comparisons of indoor air quality and sub-slab soil gas datasets are not scientific certainties, but are weight-of-evidence observations based on the available data. In addition, the apparent relationships among shallow groundwater, sub-slab soil gas, indoor air, and ambient air are based on statistical and spatial comparisons of data that were collected at different locations and time, and hence, reflect spatial and temporal variability.

The conclusions outlined below are based on the factual findings outlined in Section 4, as well as weight of evidence observations developed in review of the PLW data and comparing the PLW data against published information compiled by USEPA and others.

- The body of data largely validates that the VMA/EIA boundaries established at the start of the program, and the VI investigation process has substantially defined the presence of subsurface vapors associated with VOC impacted groundwater.
- The VI investigation process has also successfully identified where additional mitigation was warranted along the boundaries of the initial VMA established, based on sub-slab soil gas sampling.
- The data collected indicates that the VI pathway potentially exists and, therefore, installation of a vapor mitigation system at structures located within the boundaries of the VMA is recommended to remove the potential pathway.
- The indoor air concentrations found during the VI investigation are consistent with background levels typically found in residential structures not above a groundwater plume. This is consistent when looking at the full dataset (heating and non-heating season data) as well as just the heating season data only.
- The aggregate body of paired sub-slab soil gas and indoor air quality data (full dataset as well as heating season data only) do not indicate a strong correlation between sub-slab soil gas concentrations and indoor air quality.
- Data from indoor air (full dataset as well as heating season data only) and sub-slab soil gas sampling has indicated the presence of certain target VOCs that is attributable to background sourcing within the structures and not to VI.
- Sampling results do not show a negative effect on ambient air quality as a result of vapor mitigation system operation.

TABLES

Table 1
Shallow Groundwater Analytical Results
DuPont Pompton Lakes Works - Vapor Intrusion Investigation
Pompton Lakes, Passaic County, New Jersey

Sample ID			MW-25	MW-27	MW-28	MW-128	MW-130	MW-131	MW-132
Sample Date	NJDEP Class IIA	Vapor Intrusion	03/06/08	03/06/08	03/07/08	05/07/08	03/06/08	03/06/08	03/06/08
Lab ID	Ground Water	Ground Water	5298833	5298834	5298835	5354193	5298837	5298838	5298841
Matrix	Quality Standard	Screening Level	Water	Water	Water	Water	Water	Water	Water
Unit	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Analyte									
Carbon Tetrachloride	1	1	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
1,1-Dichloroethane	50	3,600	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
1,2-Dichloroethane	2	2	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
1,1-Dichloroethene	1	250	0.1 U	0.1 U	0.1 U	0.1 U	0.4 J	0.1 U	0.1 U
1,2-Dichloroethene (cis)	70	350	0.1 U	0.1 U	0.1 U	16	9.9	0.9	1.1
1,2-Dichloroethene (trans)	100	300	0.1 U	0.1 U	0.1 U	3.1	2.4	0.2 J	0.1 U
Tetrachloroethene	1	1	1.9	0.1 U	0.1 U	7.2	16	2.3	22
1,1,1-Trichloroethane	30	2,300	0.1 U	0.1 U	0.1 U	0.2 J	0.5 J	0.1 U	0.1 U
Trichloroethene	1	1	0.2 J	0.1 U	0.1 U	12	11	1.4	4.2
Vinyl Chloride	1	1	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U

Notes:

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Table 1
Shallow Groundwater Analytical Results
DuPont Pompton Lakes Works - Vapor Intrusion Investigation
Pompton Lakes, Passaic County, New Jersey

Sample ID			MW-132	MW-137S	MW-138S	MW-139S	TW-1	TW-2	TW-3
Sample Date	NJDEP Class IIA	Vapor Intrusion	03/06/08	05/07/08	03/06/08	03/06/08	08/04/08	08/05/08	08/05/08
Lab ID	Ground Water	Ground Water	5298842	5354196	5298843	5298844	5435723	5435702	5435703
Matrix	Quality Standard	Screening Level	Water	Water	Water	Water	Water	Water	Water
Unit	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Analyte			Duplicate						
Carbon Tetrachloride	1	1	0.1 U	0.1 U	0.1 U	0.4 J	0.1 U	0.1 U	0.1 U
1,1-Dichloroethane	50	3,600	0.1 U	0.1 U	0.1 U	0.2 J	0.1 U	0.1 U	0.1 U
1,2-Dichloroethane	2	2	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
1,1-Dichloroethene	1	250	0.1 U	0.1 U	0.1 U	0.8	0.1 U	0.1 U	0.1 U
1,2-Dichloroethene (cis)	70	350	1.0	0.1 U	2.1	1.4	0.1 J	0.1 U	0.1 U
1,2-Dichloroethene (trans)	100	300	0.1 U	0.1 U	1.5	0.1 U	0.1 U	0.1 U	0.1 U
Tetrachloroethene	1	1	29	0.1 U	5.2	15	0.1 J	0.6	1.3
1,1,1-Trichloroethane	30	2,300	0.1 U	0.1 U	0.1 U	1.5	0.1 U	0.1 U	0.1 U
Trichloroethene	1	1	4.1	0.3 J	7.3	4.0	0.4 J	0.1 U	0.2 J
Vinyl Chloride	1	1	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U

Notes:

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Table 1
Shallow Groundwater Analytical Results
DuPont Pompton Lakes Works - Vapor Intrusion Investigation
Pompton Lakes, Passaic County, New Jersey

Sample ID			TW-3	TW-4	TW-5	TW-6	TW-7	TW-8	TW-9
Sample Date	NJDEP Class IIA	Vapor Intrusion	08/05/08	08/06/08	08/11/08	08/05/08	08/06/08	08/08/08	11/07/08
Lab ID	Ground Water	Ground Water	5435706	5435715	5439785	5435707	5435720	5437074	5522941
Matrix	Quality Standard	Screening Level	Water	Water	Water	Water	Water	Water	Water
Unit	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Analyte			Duplicate						
Carbon Tetrachloride	1	1	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
1,1-Dichloroethane	50	3,600	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
1,2-Dichloroethane	2	2	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
1,1-Dichloroethene	1	250	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.2 J	0.1 U
1,2-Dichloroethene (cis)	70	350	0.1 U	0.1 J	0.8	0.2 J	0.1 U	6.5	0.6
1,2-Dichloroethene (trans)	100	300	0.1 U	0.1 U	0.1 J	0.1 U	0.1 U	0.9	0.1 U
Tetrachloroethene	1	1	1.2	0.2 J	6.7	5.3	0.2 J	25	14
1,1,1-Trichloroethane	30	2,300	0.1 U	0.1 U	0.4 J	0.1 U	0.1 U	0.5	0.2 J
Trichloroethene	1	1	0.2 J	0.6	2.1	0.8	0.1 U	7.2	2.4
Vinyl Chloride	1	1	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U

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Table 1
Shallow Groundwater Analytical Results
DuPont Pompton Lakes Works - Vapor Intrusion Investigation
Pompton Lakes, Passaic County, New Jersey

Sample ID			TW-10	TW-11	TW-12	TW-13	TW-14	TW-15	TW-16
Sample Date	NJDEP Class IIA	Vapor Intrusion	08/05/08	08/07/08	08/06/08	08/06/08	08/11/08	08/07/08	08/06/08
Lab ID	Ground Water	Ground Water	5435708	5435711	5435721	5435716	5439784	5437071	5435719
Matrix	Quality Standard	Screening Level	Water	Water	Water	Water	Water	Water	Water
Unit	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Analyte									
Carbon Tetrachloride	1	1	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
1,1-Dichloroethane	50	3,600	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
1,2-Dichloroethane	2	2	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
1,1-Dichloroethene	1	250	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
1,2-Dichloroethene (cis)	70	350	0.1 J	0.1 U	0.1 U	0.2 J	7.1	0.1 U	0.4 J
1,2-Dichloroethene (trans)	100	300	0.1 U	0.1 U	0.1 U	0.1 J	1.7	0.1 U	0.1 J
Tetrachloroethene	1	1	5.8	1.7	0.2 J	0.6	13	0.9	1.1
1,1,1-Trichloroethane	30	2,300	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Trichloroethene	1	1	0.7	0.2 J	0.1 U	0.8	9.0	0.1 U	1.0
Vinyl Chloride	1	1	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U

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Table 1
Shallow Groundwater Analytical Results
DuPont Pompton Lakes Works - Vapor Intrusion Investigation
Pompton Lakes, Passaic County, New Jersey

Sample ID			TW-17	TW-18	TW-19	TW-20	TW-21	TW-22
Sample Date	NJDEP Class IIA	Vapor Intrusion	08/11/08	11/07/08	08/08/08	08/07/08	08/06/08	08/08/08
Lab ID	Ground Water	Ground Water	5439784	5522492	5437072	5435712	5435726	5437075
Matrix	Quality Standard	Screening Level	Water	Water	Water	Water	Water	Water
Unit	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Analyte								
Carbon Tetrachloride	1	1	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.2 J
1,1-Dichloroethane	50	3,600	0.1 U	0.1 U	0.2 J	0.1 U	0.1 U	0.1 U
1,2-Dichloroethane	2	2	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
1,1-Dichloroethene	1	250	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
1,2-Dichloroethene (cis)	70	350	3.2	0.7	0.1 U	0.1 U	0.1 U	13
1,2-Dichloroethene (trans)	100	300	0.7	0.1 U	0.1 U	0.1 U	0.1 U	1.5
Tetrachloroethene	1	1	11	11	0.9	0.4 J	0.7	11
1,1,1-Trichloroethane	30	2,300	0.2 J	0.2 J	0.4 J	0.1 U	0.1 U	0.1 U
Trichloroethene	1	1	4.4	2.6	0.1 U	0.1 U	0.1 U	8.7
Vinyl Chloride	1	1	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U

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Table 2
Sub-Slab Soil Gas Analytical Results - Expanded Investigation Area
DuPont Pompton Lakes Works - Vapor Intrusion Investigation
Pompton Lakes, Passaic County, New Jersey

Sample ID		POM-A-1008	POM-A-2008	POM-A-1010	POM-A-2010	POM-A-3010	POM-A-2016	POM-A-3016	POM-A-1051
Sample Date	Site-Specific	6/19/08	9/2/08	6/24/08	10/14/08	12/19/08	6/30/08	9/15/08	7/8/08
Lab ID	Sub-Slab Soil Gas	756944	766523	757588	771831	780391	758519	767837	759144
Matrix	Comparison Level	Air	Air	Air	Air	Air	Air	Air	Air
Unit	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3
Analyte									
Carbon Tetrachloride	13	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	5,000	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethane	8	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,1-Dichloroethene	2,000	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethene (cis)	350	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethene (trans)	700	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
Tetrachloroethene	16	2	3	81	11	1 U	6	1 U	2
1,1,1-Trichloroethane	22,000	1 U	1 U	3	1 U	1 U	2	1 U	1 U
Trichloroethene	11	4	9	24	5	1 U	9	1 U	1 U
Vinyl Chloride	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U

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Table 2
Sub-Slab Soil Gas Analytical Results - Expanded Investigation Area
DuPont Pompton Lakes Works - Vapor Intrusion Investigation
Pompton Lakes, Passaic County, New Jersey

Sample ID		POM-A-2051	POM-A-1057	POM-A-2057	POM-A-1070	POM-A-A070	POM-A-1075	POM-A-1090	POM-A-2090
Sample Date	Site-Specific	9/11/08	7/9/08	9/15/08	7/10/08	3/19/09	7/16/08	7/22/08	10/28/08
Lab ID	Sub-Slab Soil Gas	767361	759392	767835	759393	789495	760335	760818	7608
Matrix	Comparison Level	Air	Air	Air	Air	Air	Air	Air	Air
Unit	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3
Analyte									
Carbon Tetrachloride	13	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	5,000	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethane	8	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,1-Dichloroethene	2,000	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethene (cis)	350	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethene (trans)	700	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
Tetrachloroethene	16	2	1 U	1 U	2	3	1 U	12	19
1,1,1-Trichloroethane	22,000	1 U	4	3	1	1 U	1 U	1 U	1 U
Trichloroethene	11	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1
Vinyl Chloride	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U

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Table 2
Sub-Slab Soil Gas Analytical Results - Expanded Investigation Area
DuPont Pompton Lakes Works - Vapor Intrusion Investigation
Pompton Lakes, Passaic County, New Jersey

Sample ID		POM-A-3090	POM-A-1092	POM-A-1112	POM-A-2112	POM-A-1268	POM-A-2268	POM-A-1275	POM-A-2275
Sample Date	Site-Specific	12/16/08	7/19/08	7/25/08	9/17/08	9/2/08	10/10/08	8/27/08	10/22/08
Lab ID	Sub-Slab Soil Gas	7608	760671	761430	768119	766283	771443	765747	772844
Matrix	Comparison Level	Air	Air	Air	Air	Air	Air	Air	Air
Unit	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3
Analyte									
Carbon Tetrachloride	13	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	5,000	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethane	8	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,1-Dichloroethene	2,000	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethene (cis)	350	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethene (trans)	700	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
Tetrachloroethene	16	12	1 U	5	5	1 U	1 U	7	10
1,1,1-Trichloroethane	22,000	1 U	1 U	1	2	1	1	1 U	1 U
Trichloroethene	11	1 U	1 U	5	9	1 U	1 U	1 U	1 U
Vinyl Chloride	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U

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Table 2
Sub-Slab Soil Gas Analytical Results - Expanded Investigation Area
DuPont Pompton Lakes Works - Vapor Intrusion Investigation
Pompton Lakes, Passaic County, New Jersey

Sample ID		POM-A-1278	POM-A-2278	POM-A-1330	POM-A-1340	POM-A-1349	POM-A-1357	POM-A-1360	POM-A-2360
Sample Date	Site-Specific	9/3/08	10/22/08	10/2/08	10/20/08	10/30/08	11/12/08	12/23/08	6/30/09
Lab ID	Sub-Slab Soil Gas	766899	773232	770587	772551	773808	775712	780589	799956
Matrix	Comparison Level	Air	Air	Air	Air	Air	Air	Air	Air
Unit	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3
Analyte									
Carbon Tetrachloride	13	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	5,000	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethane	8	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,1-Dichloroethene	2,000	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethene (cis)	350	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	24
1,2-Dichloroethene (trans)	700	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
Tetrachloroethene	16	11	4	4	1 U	1 U	3	1 U	1 U
1,1,1-Trichloroethane	22,000	4	1 U	1 U	1 U	1 U	1	2	2
Trichloroethene	11	3	1 U	1 U	1 U	1 U	1 U	1 U	26
Vinyl Chloride	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U

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Table 2
Sub-Slab Soil Gas Analytical Results - Expanded Investigation Area
DuPont Pompton Lakes Works - Vapor Intrusion Investigation
Pompton Lakes, Passaic County, New Jersey

Sample ID		POM-A-3360	POM-A-1381	POM-A-2381	POM-A-2393	POM-A-3393	POM-A-1399	POM-A-2399	POM-A-3399
Sample Date	Site-Specific	2/1/10	6/11/09	9/1/09	9/25/09	11/20/09	12/29/09	2/15/10	4/9/10
Lab ID	Sub-Slab Soil Gas	819412	798082	805510	808122	814397	816735	820511	826032
Matrix	Comparison Level	Air	Air	Air	Air	Air	Air	Air	Air
Unit	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3
Analyte									
Carbon Tetrachloride	13	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	5,000	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethane	8	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,1-Dichloroethene	2,000	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethene (cis)	350	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethene (trans)	700	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
Tetrachloroethene	16	1 U	9	14	13	10	3	21	18
1,1,1-Trichloroethane	22,000	1	5	7	1 U	1 U	1 U	1	1 U
Trichloroethene	11	1 U	1	1 U	1 U	1 U	1 U	1 U	1 U
Vinyl Chloride	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U

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Table 2
Sub-Slab Soil Gas Analytical Results - Expanded Investigation Area
DuPont Pompton Lakes Works - Vapor Intrusion Investigation
Pompton Lakes, Passaic County, New Jersey

Sample ID		POM-A-1400	POM-A-2400	POM-A-1406	POM-A-1409	POM-A-1410	POM-A-1411	POM-A-1412	POM-A-1413
Sample Date	Site-Specific	12/30/09	2/15/10	2/22/10	4/6/10	4/6/10	5/4/10	5/5/10	5/6/10
Lab ID	Sub-Slab Soil Gas	816736	820512	821072	825833	825834	829569	829570	829571
Matrix	Comparison Level	Air	Air	Air	Air	Air	Air	Air	Air
Unit	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3
Analyte									
Carbon Tetrachloride	13	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	5,000	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethane	8	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	1
1,1-Dichloroethene	2,000	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethene (cis)	350	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethene (trans)	700	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
Tetrachloroethene	16	4	3	1 U	2	1 U	3	2	2
1,1,1-Trichloroethane	22,000	2	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Trichloroethene	11	1 U	1 U	1 U	1	1 U	1 U	1 U	1 U
Vinyl Chloride	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U

Notes:

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Table 2
Sub-Slab Soil Gas Analytical Results - Expanded Investigation Area
DuPont Pompton Lakes Works - Vapor Intrusion Investigation
Pompton Lakes, Passaic County, New Jersey

Sample ID		POM-A-1414	POM-A-1415
Sample Date	Site-Specific	5/18/10	5/27/10
Lab ID	Sub-Slab Soil Gas	830388	831355
Matrix	Comparison Level	Air	Air
Unit	ug/m^3	ug/m^3	ug/m^3
Analyte			
Carbon Tetrachloride	13	1 U	1 U
1,1-Dichloroethane	5,000	0.8 U	0.8 U
1,2-Dichloroethane	8	0.8 U	0.8 U
1,1-Dichloroethene	2,000	0.8 U	0.8 U
1,2-Dichloroethene (cis)	350	0.8 U	0.8 U
1,2-Dichloroethene (trans)	700	0.8 U	0.8 U
Tetrachloroethene	16	1 U	6
1,1,1-Trichloroethane	22,000	5	1 U
Trichloroethene	11	1 U	1 U
Vinyl Chloride	5	0.5 U	0.5 U

Notes:

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Table 3
Sub-Slab Soil Gas Analytical Results - Vapor Mitigation Area
DuPont Pompton Lakes Works - Vapor Intrusion Investigation
Pompton Lakes, Passaic County, New Jersey

Sample ID		POM-A-1001	POM-A-1002	POM-A-1003	POM-A-1004	POM-A-1005	POM-A-1006	POM-A-1007	POM-A-1011
Sample Date	Site-Specific	3/20/08	3/21/08	3/22/08	4/2/08	4/23/08	5/10/08	5/14/08	10/13/09
Lab ID	Sub-Slab Soil Gas	744180	744399	744400	746704	749838	751852	752250	810443
Matrix	Comparison Level	Air	Air	Air	Air	Air	Air	Air	Air
Unit	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3
Analyte									
Carbon Tetrachloride	13	1 U	5	5	4 U	2	3	4	1 U
1,1-Dichloroethane	5,000	0.8 U	0.8 U	0.8 U	2 U	0.8 U	0.8 U	0.8	0.8 U
1,2-Dichloroethane	8	0.8 U	0.8 U	0.8 U	2 U	0.8 U	0.8U	0.8 U	0.8 U
1,1-Dichloroethene	2,000	0.8 U	0.8 U	0.8 U	2 U	0.8 U	1	0.8 U	0.8 U
1,2-Dichloroethene (cis)	350	0.8 U	12	2	140	8	250 D	170 D	0.8 U
1,2-Dichloroethene (trans)	700	0.8 U	15	0.8 U	83	6	75	91	0.8 U
Tetrachloroethene	16	66	1600 D	810 D	1800 D	680 D	1900 D	3100 D	15
1,1,1-Trichloroethane	22,000	1 U	26	4	10	4	10	29	1 U
Trichloroethene	11	1 U	320 D	42	640 D	210 D	860 D	810 D	1 U
Vinyl Chloride	5	0.5 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U

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Table 3
Sub-Slab Soil Gas Analytical Results - Vapor Mitigation Area
DuPont Pompton Lakes Works - Vapor Intrusion Investigation
Pompton Lakes, Passaic County, New Jersey

Sample ID		POM-A-2011	POM-A-3011	POM-A-1019	POM-A-1020	POM-A-1021	POM-A-2029	POM-A-1036	POM-A-1037
Sample Date	Site-Specific	10/13/09	10/13/09	11/19/09	11/19/09	11/19/09	1/28/10	7/7/08	7/7/08
Lab ID	Sub-Slab Soil Gas	810444	810445	814394	814395	814396	818997	758870	758871
Matrix	Comparison Level	Air	Air	Air	Air	Air	Air	Air	Air
Unit	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3
Analyte									
Carbon Tetrachloride	13	1 U	1 U	5	4	14	1 U	1 U	1 U
1,1-Dichloroethane	5,000	0.8 U	0.8 U	0.9	1	3	0.8 U	0.8 U	0.8 U
1,2-Dichloroethane	8	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	3
1,1-Dichloroethene	2,000	0.8 U	0.8 U	5	4	56	0.8 U	0.8 U	0.8 U
1,2-Dichloroethene (cis)	350	0.8 U	0.8 U	37	67	340 D	15	0.8 U	0.8 U
1,2-Dichloroethene (trans)	700	0.8 U	0.8 U	21	29	91	8	0.8 U	0.8 U
Tetrachloroethene	16	7	180	1400 D	88	5300 D	280 D	27	24
1,1,1-Trichloroethane	22,000	1 U	2	37	25	87	2	8	2
Trichloroethene	11	1 U	1 U	210	150	1200 D	120	1 U	3
Vinyl Chloride	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5	0.5 U	0.5 U	0.5 U

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Table 3
Sub-Slab Soil Gas Analytical Results - Vapor Mitigation Area
DuPont Pompton Lakes Works - Vapor Intrusion Investigation
Pompton Lakes, Passaic County, New Jersey

Sample ID		POM-A-1040	POM-A-2041	POM-A-1043	POM-A-2050	POM-A-1055	POM-A-1071	POM-A-2071	POM-A-1076
Sample Date	Site-Specific	3/11/10	3/3/10	2/10/10	8/8/08	1/27/10	7/15/08	1/27/10	7/11/08
Lab ID	Sub-Slab Soil Gas	822599	821772	820161	763374	818827	759871	818828	759504
Matrix	Comparison Level	Air	Air	Air	Air	Air	Air	Air	Air
Unit	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3
Analyte									
Carbon Tetrachloride	13	1 U	13 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	5,000	0.8 U	8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethane	8	0.8 U	8 U	0.8 U	0.8 U	0.8 U	1	0.8 U	0.8 U
1,1-Dichloroethene	2,000	0.8 U	8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethene (cis)	350	0.8 U	8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethene (trans)	700	0.8 U	8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
Tetrachloroethene	16	1 U	29	140	66	150	4	2	23
1,1,1-Trichloroethane	22,000	1 U	11 U	4	1 U	2	1 U	2	1 U
Trichloroethene	11	1 U	11 U	1	1 U	12	1 U	1 U	1 U
Vinyl Chloride	5	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U

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Table 3
Sub-Slab Soil Gas Analytical Results - Vapor Mitigation Area
DuPont Pompton Lakes Works - Vapor Intrusion Investigation
Pompton Lakes, Passaic County, New Jersey

Sample ID		POM-A-1078	POM-A-1079	POM-A-1089	POM-A-1091	POM-A-1096	POM-A-1098	POM-A-1100	POM-A-1103
Sample Date	Site-Specific	2/18/10	7/15/08	2/10/10	7/19/08	2/17/10	3/18/10	12/9/09	9/11/08
Lab ID	Sub-Slab Soil Gas	820749	759876	820162	760670	820750	823249	815437	767365
Matrix	Comparison Level	Air	Air	Air	Air	Air	Air	Air	Air
Unit	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3
Analyte									
Carbon Tetrachloride	13	1 U	1 U	2	1 U	1 U	1 U	3	2
1,1-Dichloroethane	5,000	0.8 U	0.8 U	0.8 U	1	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethane	8	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,1-Dichloroethene	2,000	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethene (cis)	350	0.8 U	0.8 U	0.8 U	4	0.8 U	0.8 U	21	0.8 U
1,2-Dichloroethene (trans)	700	0.8 U	0.8 U	0.8 U	24	0.8 U	0.8 U	11	0.8 U
Tetrachloroethene	16	50	21	360 D	410 D	220	44	880 D	95
1,1,1-Trichloroethane	22,000	1 U	1 U	7	8	2	1 U	16	2
Trichloroethene	11	4	1 U	11	110	5	1 U	170	1 U
Vinyl Chloride	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U

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Table 3
Sub-Slab Soil Gas Analytical Results - Vapor Mitigation Area
DuPont Pompton Lakes Works - Vapor Intrusion Investigation
Pompton Lakes, Passaic County, New Jersey

Sample ID		POM-A-1107	POM-A-1124	POM-A-1125	POM-A-1130	POM-A-1140	POM-A-1143	POM-A-2143	POM-A-1147
Sample Date	Site-Specific	2/3/10	12/9/09	3/11/10	2/19/10	1/28/10	7/26/08	9/17/08	2/4/10
Lab ID	Sub-Slab Soil Gas	819604	815438	822600	820842	818998	761522	768120	819894
Matrix	Comparison Level	Air	Air	Air	Air	Air	Air	Air	Air
Unit	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3
Analyte									
Carbon Tetrachloride	13	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	5,000	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethane	8	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,1-Dichloroethene	2,000	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethene (cis)	350	0.8 U	0.8 U	0.8 U	23	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethene (trans)	700	0.8 U	0.8 U	0.8 U	10	0.8 U	2	1	0.8 U
Tetrachloroethene	16	31	220	95	330 D	23	16	9	120
1,1,1-Trichloroethane	22,000	1 U	2	1 U	5	1 U	4	2	1 U
Trichloroethene	11	1 U	3	1 U	110	1 U	41	27	3
Vinyl Chloride	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U

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Table 3
Sub-Slab Soil Gas Analytical Results - Vapor Mitigation Area
DuPont Pompton Lakes Works - Vapor Intrusion Investigation
Pompton Lakes, Passaic County, New Jersey

Sample ID		POM-A-1155	POM-A-1156	POM-A-1158	POM-A-1171	POM-A-1179	POM-A-1183	POM-A-1195	POM-A-1204
Sample Date	Site-Specific	2/4/10	2/25/10	2/11/10	2/18/10	1/14/10	2/4/10	3/31/10	8/12/08
Lab ID	Sub-Slab Soil Gas	819895	821437	820163	820843	817921	819896	824457	763660
Matrix	Comparison Level	Air	Air	Air	Air	Air	Air	Air	Air
Unit	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3
Analyte									
Carbon Tetrachloride	13	1 U	1 U	1 U	1 U	1 U	1 U	4	1 U
1,1-Dichloroethane	5,000	0.8 U	0.8 U	0.8 U	1	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethane	8	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,1-Dichloroethene	2,000	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	8	0.8 U
1,2-Dichloroethene (cis)	350	0.8 U	0.8 U	13	0.8 U	0.8 U	0.8 U	36	0.8 U
1,2-Dichloroethene (trans)	700	0.8 U	0.8 U	10	0.8 U	0.8 U	0.8 U	16	0.8 U
Tetrachloroethene	16	42	33	240	3	2	41	1700 D	35
1,1,1-Trichloroethane	22,000	1 U	1 U	2	3	1 U	1 U	20	1
Trichloroethene	11	8	1 U	86	1 U	1 U	8	200	1 U
Vinyl Chloride	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U

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Table 3
Sub-Slab Soil Gas Analytical Results - Vapor Mitigation Area
DuPont Pompton Lakes Works - Vapor Intrusion Investigation
Pompton Lakes, Passaic County, New Jersey

Sample ID		POM-A-1205	POM-A-1212	POM-A-1213	POM-A-1219	POM-A-2219	POM-A-3219	POM-A-1232	POM-A-1233
Sample Date	Site-Specific	1/14/10	3/4/10	2/10/10	3/17/10	3/17/10	3/17/10	8/19/08	1/14/10
Lab ID	Sub-Slab Soil Gas	817922	821864	820164	823095	823096	823097	764760	817804
Matrix	Comparison Level	Air	Air	Air	Air	Air	Air	Air	Air
Unit	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3
Analyte									
Carbon Tetrachloride	13	1 U	1 U	2	1 U	1 U	1 U	3	1 U
1,1-Dichloroethane	5,000	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethane	8	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,1-Dichloroethene	2,000	0.8 U	0.8 U	3	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethene (cis)	350	0.8 U	0.8 U	40	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethene (trans)	700	0.8 U	0.8 U	19	2	0.8 U	0.8 U	0.8 U	0.8 U
Tetrachloroethene	16	46	1 U	810 D	260 D	95	170	810 D	66
1,1,1-Trichloroethane	22,000	1 U	3	10	2	1	1 U	11	1 U
Trichloroethene	11	19	1 U	160	91	1 U	16	11	1 U
Vinyl Chloride	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U

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Sub-Slab Soil Gas Analytical Results - Vapor Mitigation Area
DuPont Pompton Lakes Works - Vapor Intrusion Investigation
Pompton Lakes, Passaic County, New Jersey

Sample ID		POM-A-1234	POM-A-1237	POM-A-1240	POM-A-1242	POM-A-1251	POM-A-2251	POM-A-1254	POM-A-1256
Sample Date	Site-Specific	2/17/10	8/19/08	8/19/08	1/14/10	3/4/09	2/4/10	8/26/08	8/28/08
Lab ID	Sub-Slab Soil Gas	820615	764761	764762	817805	787019	819810	765647	766045
Matrix	Comparison Level	Air	Air	Air	Air	Air	Air	Air	Air
Unit	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3
Analyte									
Carbon Tetrachloride	13	1 U	1 U	1 U	2	1 U	1 U	1 U	1 U
1,1-Dichloroethane	5,000	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethane	8	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,1-Dichloroethene	2,000	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethene (cis)	350	0.8 U	7	0.8 U	4	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethene (trans)	700	0.8 U	5	0.8 U	1	0.8 U	0.8 U	0.8 U	0.8 U
Tetrachloroethene	16	49	300 D	150	280 D	1 U	8	230	26
1,1,1-Trichloroethane	22,000	1 U	4	4	6	1 U	1 U	1 U	7
Trichloroethene	11	1 U	64	1 U	43	1 U	5	70	1 U
Vinyl Chloride	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U

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Sub-Slab Soil Gas Analytical Results - Vapor Mitigation Area
DuPont Pompton Lakes Works - Vapor Intrusion Investigation
Pompton Lakes, Passaic County, New Jersey

Sample ID		POM-A-1257	POM-A-1260	POM-A-1263	POM-A-1267	POM-A-1269	POM-A-1272	POM-A-1273	POM-A-2274
Sample Date	Site-Specific	8/28/08	8/28/08	8/26/08	12/17/09	8/26/08	8/26/08	8/27/08	3/25/10
Lab ID	Sub-Slab Soil Gas	766046	766047	765653	816307	766282	765745	765746	824270
Matrix	Comparison Level	Air	Air	Air	Air	Air	Air	Air	Air
Unit	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3
Analyte									
Carbon Tetrachloride	13	1 U	1 U	4	1 U	6	1 U	1 U	1 U
1,1-Dichloroethane	5,000	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethane	8	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,1-Dichloroethene	2,000	0.8 U	0.8 U	0.8 U	0.8 U	3	0.8 U	0.8 U	0.8 U
1,2-Dichloroethene (cis)	350	1	0.8 U	4	0.8 U	3	0.8 U	4	12
1,2-Dichloroethene (trans)	700	8	0.8 U	12	0.8 U	0.8 U	0.8 U	1	11
Tetrachloroethene	16	390 D	350 D	2500 D	9	2300 D	75	180	280 D
1,1,1-Trichloroethane	22,000	1 U	1 U	6	1 U	28	3	3	3
Trichloroethene	11	160	9	590 D	1 U	130	6	25	86
Vinyl Chloride	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U

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Table 3
Sub-Slab Soil Gas Analytical Results - Vapor Mitigation Area
DuPont Pompton Lakes Works - Vapor Intrusion Investigation
Pompton Lakes, Passaic County, New Jersey

Sample ID		POM-A-1276	POM-A-1279	POM-A-2281	POM-A-3281	POM-A-1284	POM-A-1285	POM-A-1287	POM-A-1292
Sample Date	Site-Specific	1/14/10	1/7/10	9/18/08	4/1/10	9/12/08	9/4/08	1/20/10	9/9/08
Lab ID	Sub-Slab Soil Gas	817806	817076	768428	824820	767557	766725	818327	767122
Matrix	Comparison Level	Air	Air	Air	Air	Air	Air	Air	Air
Unit	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3
Analyte									
Carbon Tetrachloride	13	1 U	2	1 U	1 U	2	1 U	1 U	9
1,1-Dichloroethane	5,000	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	3
1,2-Dichloroethane	8	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,1-Dichloroethene	2,000	0.8 U	0.8 U	0.8 U	0.8 U	3	0.8 U	0.8 U	44
1,2-Dichloroethene (cis)	350	2	0.8 U	0.8 U	0.8 U	44	0.8	0.8 U	250 D
1,2-Dichloroethene (trans)	700	4	0.8 U	0.8 U	0.8 U	17	3	2	110
Tetrachloroethene	16	62	400 D	140	15	540 D	75	180	3800 D
1,1,1-Trichloroethane	22,000	1 U	2	1	1 U	8	1 U	1 U	60
Trichloroethene	11	59	15	4	1 U	110	31	39	750 D
Vinyl Chloride	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U

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Table 3
Sub-Slab Soil Gas Analytical Results - Vapor Mitigation Area
DuPont Pompton Lakes Works - Vapor Intrusion Investigation
Pompton Lakes, Passaic County, New Jersey

Sample ID		POM-A-1293	POM-A-1294	POM-A-1298	POM-A-1304	POM-A-1306	POM-A-1308	POM-A-1313	POM-A-1314
Sample Date	Site-Specific	9/9/08	1/20/10	1/7/10	9/17/08	3/10/10	3/3/10	12/3/09	2/11/10
Lab ID	Sub-Slab Soil Gas	767123	818326	817077	768118	822524	821770	815188	820237
Matrix	Comparison Level	Air	Air	Air	Air	Air	Air	Air	Air
Unit	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3
Analyte									
Carbon Tetrachloride	13	3	2	1 U	1 U	1 U	1 U	4	5
1,1-Dichloroethane	5,000	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	4	0.8 U
1,2-Dichloroethane	8	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,1-Dichloroethene	2,000	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	11	17
1,2-Dichloroethene (cis)	350	0.8 U	0.8 U	0.8 U	5	0.8 U	0.8 U	37	91
1,2-Dichloroethene (trans)	700	0.8 U	0.8 U	0.8 U	12	0.8 U	0.8 U	1	40
Tetrachloroethene	16	420 D	480 D	47	330 D	130	22	1800 D	2300 D
1,1,1-Trichloroethane	22,000	2	5	1 U	1 U	1	1 U	23	29
Trichloroethene	11	8	12	9	150	5	1 U	180	490 D
Vinyl Chloride	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U

Notes:

Highlighting denotes exceedance

D = Diluted concentration

J = Estimated value

U = Not detected above reporting limit

Table 3
Sub-Slab Soil Gas Analytical Results - Vapor Mitigation Area
DuPont Pompton Lakes Works - Vapor Intrusion Investigation
Pompton Lakes, Passaic County, New Jersey

Sample ID		POM-A-1315	POM-A-1318	POM-A-1322	POM-A-1326	POM-A-1328	POM-A-1332	POM-A-1334	POM-A-1335
Sample Date	Site-Specific	9/19/08	9/24/08	9/25/08	9/30/08	12/3/09	10/9/08	10/13/08	10/13/08
Lab ID	Sub-Slab Soil Gas	768539	769083	769691	770038	815189	771442	771542	771652
Matrix	Comparison Level	Air	Air	Air	Air	Air	Air	Air	Air
Unit	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3
Analyte									
Carbon Tetrachloride	13	400 U	1	1 U	1 U	1 U	4	1 U	0.8 J
1,1-Dichloroethane	5,000	260 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethane	8	260 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	4
1,1-Dichloroethene	2,000	250 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	1
1,2-Dichloroethene (cis)	350	370	0.8 U	0.8 U	0.8 U	0.8 U	3	0.8 U	0.7 J
1,2-Dichloroethene (trans)	700	250 U	0.8 U	0.8 U	0.8 U	0.8 U	3	0.8 U	0.9
Tetrachloroethene	16	6800	370 D	170	240	31	1300 D	75	37
1,1,1-Trichloroethane	22,000	350 U	4	2	2	1 U	20	6.5	15
Trichloroethene	11	1200	5	9	1 U	1 U	97	1.1 U	12
Vinyl Chloride	5	160 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.51 U	0.5 U

Notes:

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Table 3
Sub-Slab Soil Gas Analytical Results - Vapor Mitigation Area
DuPont Pompton Lakes Works - Vapor Intrusion Investigation
Pompton Lakes, Passaic County, New Jersey

Sample ID		POM-A-1337B	POM-A-1337K	POM-A-1337S	POM-A-1341	POM-A-2341	POM-A-1344	POM-A-1347	POM-A-1352
Sample Date	Site-Specific	10/15/08	10/15/08	10/15/08	10/20/08	1/6/09	10/21/08	3/24/10	2/18/10
Lab ID	Sub-Slab Soil Gas	771836	771837	771838	772552	781087	772553	823699	820844
Matrix	Comparison Level	Air	Air	Air	Air	Air	Air	Air	Air
Unit	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3
Analyte									
Carbon Tetrachloride	13	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	5,000	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethane	8	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,1-Dichloroethene	2,000	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethene (cis)	350	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethene (trans)	700	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
Tetrachloroethene	16	950 D	290 D	41	16	11	1 U	3	200
1,1,1-Trichloroethane	22,000	13	7	1 U	1 U	1 U	1 U	3	2
Trichloroethene	11	1 U	1 U	1 U	1 U	1 U	1 U	1 U	8
Vinyl Chloride	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U

Notes:

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Table 3
Sub-Slab Soil Gas Analytical Results - Vapor Mitigation Area
DuPont Pompton Lakes Works - Vapor Intrusion Investigation
Pompton Lakes, Passaic County, New Jersey

Sample ID		POM-A-1353	POM-A-1354	POM-A-1364	POM-A-1365	POM-A-1367	POM-A-1368	POM-A-1376	POM-A-2376
Sample Date	Site-Specific	11/7/08	3/11/10	4/1/10	2/19/10	1/28/10	3/5/10	4/13/09	7/14/09
Lab ID	Sub-Slab Soil Gas	775448	822601	824819	820845	819000	821983	792632	800769
Matrix	Comparison Level	Air	Air	Air	Air	Air	Air	Air	Air
Unit	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3
Analyte									
Carbon Tetrachloride	13	10	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	5,000	0.9	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethane	8	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,1-Dichloroethene	2,000	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethene (cis)	350	91	0.8 U	2	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethene (trans)	700	110	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
Tetrachloroethene	16	3000 D	7	18	390 D	1 U	2	26	45
1,1,1-Trichloroethane	22,000	37	1 U	1 U	2	1 U	1 U	2	3
Trichloroethene	11	810 D	3	9	1 U	1 U	1 U	2	2
Vinyl Chloride	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U

Notes:

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Table 3
Sub-Slab Soil Gas Analytical Results - Vapor Mitigation Area
DuPont Pompton Lakes Works - Vapor Intrusion Investigation
Pompton Lakes, Passaic County, New Jersey

Sample ID		POM-A-3376	POM-A-1382	POM-A-2382	POM-A-1383	POM-A-1397	POM-A-1398	POM-A-1401	POM-A-1402
Sample Date	Site-Specific	11/25/09	6/18/09	9/29/09	1/6/10	1/14/10	12/9/09	1/7/10	1/20/10
Lab ID	Sub-Slab Soil Gas	814700	798804	808282	817078	817807	815439	817079	818328
Matrix	Comparison Level	Air	Air	Air	Air	Air	Air	Air	Air
Unit	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3
Analyte									
Carbon Tetrachloride	13	1 U	1 U	1 U	1 U	1 U	1 U	1	1 U
1,1-Dichloroethane	5,000	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethane	8	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,1-Dichloroethene	2,000	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	1	0.8 U
1,2-Dichloroethene (cis)	350	2	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	200 D	0.8 U
1,2-Dichloroethene (trans)	700	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	67	0.8 U
Tetrachloroethene	16	41	6	7	5	1 U	63	500 D	75
1,1,1-Trichloroethane	22,000	3	8	5	1 U	1 U	1 U	8	1 U
Trichloroethene	11	2	23	23	1 U	1 U	1 U	250 D	1 U
Vinyl Chloride	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U

Notes:

Highlighting denotes exceedance

D = Diluted concentration

J = Estimated value

U = Not detected above reporting limit

Table 3
Sub-Slab Soil Gas Analytical Results - Vapor Mitigation Area
DuPont Pompton Lakes Works - Vapor Intrusion Investigation
Pompton Lakes, Passaic County, New Jersey

Sample ID		POM-A-1404	POM-A-1405	POM-A-1407	POM-A-1408
Sample Date	Site-Specific	2/10/10	2/17/10	3/3/10	3/18/10
Lab ID	Sub-Slab Soil Gas	820165	820616	821771	823250
Matrix	Comparison Level	Air	Air	Air	Air
Unit	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3
Analyte					
Carbon Tetrachloride	13	1 U	2	1 U	5
1,1-Dichloroethane	5,000	7	0.8 U	0.8 U	0.9
1,2-Dichloroethane	8	0.8 U	0.8 U	0.8 U	0.8 U
1,1-Dichloroethene	2,000	0.8 U	0.8 U	0.8 U	11
1,2-Dichloroethene (cis)	350	200 D	15	0.8 U	63
1,2-Dichloroethene (trans)	700	130	11	0.8 U	23
Tetrachloroethene	16	360 D	810 D	10	1800 D
1,1,1-Trichloroethane	22,000	5	13	1 U	27
Trichloroethene	11	250 D	180	1 U	300 D
Vinyl Chloride	5	0.5 U	0.5 U	0.5 U	0.5 U

Notes:

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U = Not detected above reporting limit

Table 4
Pre-Mitigation Indoor Air Analytical Results - Expanded Investigation Area
DuPont Pompton Lakes Works - Vapor Intrusion Investigation
Pompton Lakes, Passaic County, New Jersey

Sample ID		POM-A-4008	POM-A-4010	POM-A-5010	POM-A-6010	POM-A-4349
Sample Date	Site-Specific	6/19/08	6/24/08	10/14/08	12/19/08	10/30/08
Lab ID	Indoor Air	756945	757589	771832	780392	773811
Matrix	Comparison Level	Air	Air	Air	Air	Air
Unit	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3
Analyte						
Carbon Tetrachloride	1	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	510	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethane	0.8	0.8 U	2	0.8 U	0.8 U	0.8 U
1,1-Dichloroethene	220	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethene (cis)	36	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethene (trans)	73	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
Tetrachloroethene	1	1 U	1 U	1 U	1 U	1 U
1,1,1-Trichloroethane	1,000	1 U	1 U	1 U	1 U	1 U
Trichloroethene	1	1 U	5	1 U	1 U	1 U
Vinyl Chloride	0.5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U

Notes:

Highlighting denotes exceedance

U = Not detected above reporting limit

Table 5
Pre-Mitigation Indoor Air Analytical Results - Vapor Mitigation Area
DuPont Pompton Lakes Works - Vapor Intrusion Investigation
Pompton Lakes, Passaic County, New Jersey

Sample ID		POM-A-4001	POM-A-4002	POM-A-4003	POM-A-4004	POM-A-4005	POM-A-4006	POM-A-4007	POM-A-5007
Sample Date	Site-Specific	6/21/08	6/19/08	6/4/08	7/31/08	6/20/08	7/1/08	6/19/08	4/28/09
Lab ID	Indoor Air	757171	756947	754606	761986	757173	758586	756948	794076
Matrix	Comparison Level	Air	Air	Air	Air	Air	Air	Air	Air
Unit	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3
Analyte									
Carbon Tetrachloride	1	1	1 U	1 U	1 U	1 U	1	1 U	1 U
1,1-Dichloroethane	510	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethane	0.8	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	4	1	14
1,1-Dichloroethene	220	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethene (cis)	36	0.8 U	0.8 U	0.8 U	3	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethene (trans)	73	0.8 U	0.8 U	0.8 U	1	0.8 U	0.8 U	0.8 U	0.8 U
Tetrachloroethene	1	1 U	3	1 U	22	1 U	2	4	5
1,1,1-Trichloroethane	1,000	1 U	1 U	1 U	41	1 U	8	1 U	1 U
Trichloroethene	1	1 U	1 U	1 U	6	1 U	5	1 U	2
Vinyl Chloride	0.5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U

Notes:

Highlighting denotes exceedance

U = Not detected above reporting limit

Table 5
Pre-Mitigation Indoor Air Analytical Results - Vapor Mitigation Area
DuPont Pompton Lakes Works - Vapor Intrusion Investigation
Pompton Lakes, Passaic County, New Jersey

Sample ID		POM-A-4009	POM-A-5011	POM-A-6011	POM-A-4013	POM-A-4014	POM-A-4015	POM-A-4017	POM-A-4018
Sample Date	Site-Specific	6/20/08	8/1/08	10/13/09	6/25/08	6/26/08	6/26/08	6/27/08	6/27/08
Lab ID	Indoor Air	757175	762294	810446	757877	757875	757873	758083	758085
Matrix	Comparison Level	Air	Air	Air	Air	Air	Air	Air	Air
Unit	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3
Analyte									
Carbon Tetrachloride	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	510	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethane	0.8	0.8 U	0.8 U	1	0.8 U	6	0.8 U	3	0.8 U
1,1-Dichloroethene	220	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethene (cis)	36	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethene (trans)	73	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
Tetrachloroethene	1	1 U	3	1 U	1	1	2	1 U	1 U
1,1,1-Trichloroethane	1,000	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Trichloroethene	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2
Vinyl Chloride	0.5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U

Notes:

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U = Not detected above reporting limit

Table 5
Pre-Mitigation Indoor Air Analytical Results - Vapor Mitigation Area
DuPont Pompton Lakes Works - Vapor Intrusion Investigation
Pompton Lakes, Passaic County, New Jersey

Sample ID		POM-A-4019	POM-A-5019	POM-A-4020	POM-A-5020	P0M-A-4021	POM-A-5021	POM-A-4022	POM-A-4023
Sample Date	Site-Specific	6/27/08	11/18/09	6/27/08	11/18/09	6/27/08	11/18/09	6/27/08	6/27/08
Lab ID	Indoor Air	758087	814252	758089	814253	758091	814254	758093	758095
Matrix	Comparison Level	Air	Air	Air	Air	Air	Air	Air	Air
Unit	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3
Analyte									
Carbon Tetrachloride	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	510	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethane	0.8	2	0.8 U	0.8 U	0.8 U	0.8	0.8 U	0.8 U	0.8 U
1,1-Dichloroethene	220	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethene (cis)	36	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethene (trans)	73	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
Tetrachloroethene	1	1 U	2	12	10	4	5	1	1 U
1,1,1-Trichloroethane	1,000	1 U	1 U	170	35	1 U	1 U	1 U	1 U
Trichloroethene	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Vinyl Chloride	0.5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U

Notes:

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U = Not detected above reporting limit

Table 5
Pre-Mitigation Indoor Air Analytical Results - Vapor Mitigation Area
DuPont Pompton Lakes Works - Vapor Intrusion Investigation
Pompton Lakes, Passaic County, New Jersey

Sample ID		POM-A-4024	POM-A-4025	POM-A-4026	POM-A-4027	POM-A-4028	POM-A-4029	POM-A-5029	POM-A-4030
Sample Date	Site-Specific	6/27/08	6/27/08	7/1/08	7/1/08	7/1/08	7/1/08	1/26/10	7/2/08
Lab ID	Indoor Air	758098	758099	758520	758590	758522	758588	818749	758592
Matrix	Comparison Level	Air	Air	Air	Air	Air	Air	Air	Air
Unit	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3
Analyte									
Carbon Tetrachloride	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	510	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethane	0.8	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,1-Dichloroethene	220	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethene (cis)	36	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethene (trans)	73	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
Tetrachloroethene	1	2	3	1 U	2	1 U	1 U	1 U	1
1,1,1-Trichloroethane	1,000	1 U	1 U	1 U	1 U	11	1 U	1 U	1 U
Trichloroethene	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Vinyl Chloride	0.5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U

Notes:

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U = Not detected above reporting limit

Table 5
Pre-Mitigation Indoor Air Analytical Results - Vapor Mitigation Area
DuPont Pompton Lakes Works - Vapor Intrusion Investigation
Pompton Lakes, Passaic County, New Jersey

Sample ID		POM-A-5030	POM-A-4031	POM-A-4032	POM-A-4033	POM-A-4034	POM-A-4036	POM-A-4037	POM-A-4038
Sample Date	Site-Specific	7/2/08	7/17/08	7/2/08	7/2/08	9/9/08	8/26/08	11/12/08	7/8/08
Lab ID	Indoor Air	758593	760314	758595	758597	767124	765655	775713	759125
Matrix	Comparison Level	Air	Air	Air	Air	Air	Air	Air	Air
Unit	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3
Analyte									
Carbon Tetrachloride	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	510	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethane	0.8	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	8	0.8 U
1,1-Dichloroethene	220	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethene (cis)	36	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethene (trans)	73	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
Tetrachloroethene	1	1 U	1 U	3	1 U	3	1 U	1 U	2
1,1,1-Trichloroethane	1,000	1 U	1 U	9	1 U	1 U	1 U	1 U	1 U
Trichloroethene	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Vinyl Chloride	0.5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U

Notes:

Highlighting denotes exceedance

U = Not detected above reporting limit

Table 5
Pre-Mitigation Indoor Air Analytical Results - Vapor Mitigation Area
DuPont Pompton Lakes Works - Vapor Intrusion Investigation
Pompton Lakes, Passaic County, New Jersey

Sample ID		POM-A-4039	POM-A-4040	POM-A-5040	POM-A-4041	POM-A-5041	POM-A-4042	POM-A-5042	POM-A-4043
Sample Date	Site-Specific	7/8/08	7/8/08	2/25/10	7/8/08	2/3/10	7/8/08	2/26/09	7/8/08
Lab ID	Indoor Air	759127	759129	821332	759131	819605	759133	786393	759135
Matrix	Comparison Level	Air	Air	Air	Air	Air	Air	Air	Air
Unit	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3
Analyte									
Carbon Tetrachloride	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	510	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethane	0.8	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,1-Dichloroethene	220	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethene (cis)	36	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethene (trans)	73	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
Tetrachloroethene	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,1-Trichloroethane	1,000	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Trichloroethene	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Vinyl Chloride	0.5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U

Notes:

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Table 5
Pre-Mitigation Indoor Air Analytical Results - Vapor Mitigation Area
DuPont Pompton Lakes Works - Vapor Intrusion Investigation
Pompton Lakes, Passaic County, New Jersey

Sample ID		POM-A-5043	POM-A-4044	POM-A-5045	POM-A-5046	POM-A-4047	POM-A-4048	POM-A-4049	POM-A-4052
Sample Date	Site-Specific	2/9/10	7/8/08	7/30/08	8/6/08	7/8/08	7/8/08	7/8/08	7/17/08
Lab ID	Indoor Air	820111	759137	761996	762949	759139	759147	759141	760316
Matrix	Comparison Level	Air	Air	Air	Air	Air	Air	Air	Air
Unit	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3
Analyte									
Carbon Tetrachloride	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	510	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethane	0.8	1	1	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,1-Dichloroethene	220	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethene (cis)	36	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethene (trans)	73	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
Tetrachloroethene	1	1 U	1	12	2	1 U	12	1 U	1 U
1,1,1-Trichloroethane	1,000	1 U	1 U	1 U	1 U	1 U	1 U	1 U	4
Trichloroethene	1	1 U	1 U	1 U	1 U	1 U	2	1 U	1 U
Vinyl Chloride	0.5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U

Notes:

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Table 5
Pre-Mitigation Indoor Air Analytical Results - Vapor Mitigation Area
DuPont Pompton Lakes Works - Vapor Intrusion Investigation
Pompton Lakes, Passaic County, New Jersey

Sample ID		POM-A-5053	POM-A-4054	POM-A-4055	POM-A-5055	POM-A-4056	POM-A-4058	POM-A-4059	POM-A-4060
Sample Date	Site-Specific	8/1/08	7/9/08	7/9/08	1/26/10	7/9/08	7/10/08	7/10/08	7/10/08
Lab ID	Indoor Air	762295	759372	759736	818750	759374	759376	759378	759380
Matrix	Comparison Level	Air	Air	Air	Air	Air	Air	Air	Air
Unit	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3
Analyte									
Carbon Tetrachloride	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	510	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethane	0.8	0.8	0.8 U	0.8 U	0.8 U	0.8 U	2	0.8 U	0.8 U
1,1-Dichloroethene	220	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethene (cis)	36	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethene (trans)	73	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
Tetrachloroethene	1	2	3	2	2	1 U	14	1 U	1 U
1,1,1-Trichloroethane	1,000	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Trichloroethene	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Vinyl Chloride	0.5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U

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Table 5
Pre-Mitigation Indoor Air Analytical Results - Vapor Mitigation Area
DuPont Pompton Lakes Works - Vapor Intrusion Investigation
Pompton Lakes, Passaic County, New Jersey

Sample ID		POM-A-4061	POM-A-4062	POM-A-4063	POM-A-4064	POM-A-4065	POM-A-4066	POM-A-4067	POM-A-4068
Sample Date	Site-Specific	7/10/08	8/14/08	7/17/08	7/10/08	7/10/08	7/10/08	7/10/08	7/10/08
Lab ID	Indoor Air	759382	764027	760504	759384	759386	759388	759390	759389
Matrix	Comparison Level	Air	Air	Air	Air	Air	Air	Air	Air
Unit	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3
Analyte									
Carbon Tetrachloride	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	510	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethane	0.8	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	2	4	4
1,1-Dichloroethene	220	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethene (cis)	36	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethene (trans)	73	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
Tetrachloroethene	1	2	3	4	2	2	1 U	2	1 U
1,1,1-Trichloroethane	1,000	1 U	1 U	3	1 U	1 U	1 U	1 U	1 U
Trichloroethene	1	1 U	1 U	4	1 U	1 U	1 U	1 U	2
Vinyl Chloride	0.5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U

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Table 5
Pre-Mitigation Indoor Air Analytical Results - Vapor Mitigation Area
DuPont Pompton Lakes Works - Vapor Intrusion Investigation
Pompton Lakes, Passaic County, New Jersey

Sample ID		POM-A-4069	POM-A-4071	POM-A-5071	POM-A-4072	POM-A-4073	POM-A-4074	POM-A-4076	POM-A-4077
Sample Date	Site-Specific	7/10/08	7/15/08	1/26/10	7/11/08	7/11/08	7/11/08	2/12/09	7/10/08
Lab ID	Indoor Air	759395	759872	818751	759505	759738	759506	784476	759507
Matrix	Comparison Level	Air	Air	Air	Air	Air	Air	Air	Air
Unit	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3
Analyte									
Carbon Tetrachloride	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	510	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethane	0.8	4	0.8 U	0.8 U	4	0.8 U	0.8 U	0.8 U	0.8 U
1,1-Dichloroethene	220	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethene (cis)	36	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethene (trans)	73	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
Tetrachloroethene	1	1 U	1 U	1 U	3	1 U	1 U	1 U	1 U
1,1,1-Trichloroethane	1,000	1 U	1 U	1 U	1 U	1 U	1 U	1	1 U
Trichloroethene	1	2	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Vinyl Chloride	0.5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U

Notes:

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Table 5
Pre-Mitigation Indoor Air Analytical Results - Vapor Mitigation Area
DuPont Pompton Lakes Works - Vapor Intrusion Investigation
Pompton Lakes, Passaic County, New Jersey

Sample ID		POM-A-4078	POM-A-5078	POM-A-4079	POM-A-4080	POM-A-4081	POM-A-4082	POM-A-4083	POM-A-4084
Sample Date	Site-Specific	7/15/08	2/17/10	9/11/08	7/15/08	7/15/08	7/15/08	7/15/08	7/15/08
Lab ID	Indoor Air	759874	820751	767362	759877	759879	759881	759883	759885
Matrix	Comparison Level	Air	Air	Air	Air	Air	Air	Air	Air
Unit	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3
Analyte									
Carbon Tetrachloride	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	510	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethane	0.8	1	4	7	0.8 U	0.8 U	0.8 U	2	0.8 U
1,1-Dichloroethene	220	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethene (cis)	36	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethene (trans)	73	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
Tetrachloroethene	1	2	1 U	1 U	3	1 U	1 U	1 U	1 U
1,1,1-Trichloroethane	1,000	1 U	1 U	1 U	1 U	2	1 U	1 U	1 U
Trichloroethene	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Vinyl Chloride	0.5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U

Notes:

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Table 5
Pre-Mitigation Indoor Air Analytical Results - Vapor Mitigation Area
DuPont Pompton Lakes Works - Vapor Intrusion Investigation
Pompton Lakes, Passaic County, New Jersey

Sample ID		POM-A-4085	POM-A-4086	POM-A-4087	POM-A-4088	POM-A-4089	POM-A-5089	POM-A-4091	POM-A-4093
Sample Date	Site-Specific	7/15/08	7/15/08	7/15/08	7/15/08	7/15/08	2/9/10	10/10/08	7/16/08
Lab ID	Indoor Air	760173	759887	759889	759891	759893	820112	771445	760175
Matrix	Comparison Level	Air	Air	Air	Air	Air	Air	Air	Air
Unit	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3
Analyte									
Carbon Tetrachloride	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	510	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethane	0.8	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	1	1	0.8 U
1,1-Dichloroethene	220	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethene (cis)	36	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	2
1,2-Dichloroethene (trans)	73	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
Tetrachloroethene	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2
1,1,1-Trichloroethane	1,000	1 U	2	1 U	1 U	1 U	1 U	1 U	1 U
Trichloroethene	1	1 U	<1.1	2	1 U	1 U	1 U	1 U	1 U
Vinyl Chloride	0.5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U

Notes:

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Table 5
Pre-Mitigation Indoor Air Analytical Results - Vapor Mitigation Area
DuPont Pompton Lakes Works - Vapor Intrusion Investigation
Pompton Lakes, Passaic County, New Jersey

Sample ID		POM-A-4094	POM-A-4095	POM-A-4096	POM-A-5096	POM-A-4097	POM-A-4098	POM-A-5098	POM-A-4099
Sample Date	Site-Specific	7/16/08	7/17/08	7/17/08	2/16/10	7/17/08	7/17/08	3/17/10	7/17/08
Lab ID	Indoor Air	760177	760318	760320	820752	760322	760324	823099	760326
Matrix	Comparison Level	Air	Air	Air	Air	Air	Air	Air	Air
Unit	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3
Analyte									
Carbon Tetrachloride	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	510	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethane	0.8	0.8 U	0.8 U	2	0.8 U	0.8 U	0.8 U	8	0.8 U
1,1-Dichloroethene	220	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethene (cis)	36	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethene (trans)	73	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
Tetrachloroethene	1	1 U	1 U	1 U	1 U	1	1 U	1 U	1 U
1,1,1-Trichloroethane	1,000	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Trichloroethene	1	1 U	5	1 U	1 U	1 U	1 U	1 U	1 U
Vinyl Chloride	0.5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U

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Table 5
Pre-Mitigation Indoor Air Analytical Results - Vapor Mitigation Area
DuPont Pompton Lakes Works - Vapor Intrusion Investigation
Pompton Lakes, Passaic County, New Jersey

Sample ID		POM-A-4100	POM-A-5100	P;OM-A-4101	P0M-A-4102	POM-A-4103	POM-A-5103	POM-A-4104	POM-A-4105
Sample Date	Site Specific	7/17/08	12/8/09	7/16/08	7/16/08	7/16/08	9/11/08	7/17/08	7/17/08
Lab ID	Indoor Air	760328	815385	760169	760171	760330	767363	760332	760506
Matrix	Comparison Level	Air	Air	Air	Air	Air	Air	Air	Air
Unit	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3
Analyte									
Carbon Tetrachloride	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	510	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethane	0.8	0.8 U	2	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	20
1,1-Dichloroethene	220	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethene (cis)	36	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethene (trans)	73	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
Tetrachloroethene	1	4	3	1 U	1 U	50	1 U	2	1 U
1,1,1-Trichloroethane	1,000	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Trichloroethene	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Vinyl Chloride	0.5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U

Notes:

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Table 5
Pre-Mitigation Indoor Air Analytical Results - Vapor Mitigation Area
DuPont Pompton Lakes Works - Vapor Intrusion Investigation
Pompton Lakes, Passaic County, New Jersey

Sample ID		POM-A-4106	POM-A-4107	POM-A-5107	POM-A-4108	POM-A-4109	POM-A-4110	POM-A-4111	POM-A-4113
Sample Date	Site Specific	7/17/08	7/17/08	2/2/10	7/18/08	7/18/08	7/18/08	7/18/08	7/22/08
Lab ID	Indoor Air	760334	760508	819413	760509	760511	760513	760672	761041
Matrix	Comparison Level	Air	Air	Air	Air	Air	Air	Air	Air
Unit	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3
Analyte									
Carbon Tetrachloride	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	510	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethane	0.8	0.8 U	2	0.8 U	4	6	0.8 U	0.8	0.8 U
1,1-Dichloroethene	220	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethene (cis)	36	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethene (trans)	73	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
Tetrachloroethene	1	3	2	1 U	1 U	2	1 U	2	6
1,1,1-Trichloroethane	1,000	4	4	1 U	1 U	1 U	1 U	1 U	1 U
Trichloroethene	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1
Vinyl Chloride	0.5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.6

Notes:

Highlighting denotes exceedance

U = Not detected above reporting limit

Table 5
Pre-Mitigation Indoor Air Analytical Results - Vapor Mitigation Area
DuPont Pompton Lakes Works - Vapor Intrusion Investigation
Pompton Lakes, Passaic County, New Jersey

Sample ID		POM-A-4115	POM-A-4116	POM-A-4117	POM-A-4118	POM-A-4119	POM-A-4120	POM-A-4121	POM-A-4122
Sample Date	Site Specific	7/22/08	7/22/08	7/24/08	7/24/08	7/24/08	7/22/08	7/22/08	7/22/08
Lab ID	Indoor Air	761043	761305	761306	761307	761308	760807	760808	760810
Matrix	Comparison Level	Air	Air	Air	Air	Air	Air	Air	Air
Unit	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3
Analyte									
Carbon Tetrachloride	1	2	1 U	1 U	1 U	1 U	1 U	1 U	2
1,1-Dichloroethane	510	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethane	0.8	0.8 U	0.8 U	0.8 U	0.8 U	8	0.8 U	6	0.8 U
1,1-Dichloroethene	220	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethene (cis)	36	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethene (trans)	73	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
Tetrachloroethene	1	1 U	1 U	1	12	2	8	1 U	2
1,1,1-Trichloroethane	1,000	1 U	6	1 U	1 U	1 U	17	1 U	1 U
Trichloroethene	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Vinyl Chloride	0.5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U

Notes:

Highlighting denotes exceedance

U = Not detected above reporting limit

Table 5
Pre-Mitigation Indoor Air Analytical Results - Vapor Mitigation Area
DuPont Pompton Lakes Works - Vapor Intrusion Investigation
Pompton Lakes, Passaic County, New Jersey

Sample ID		POM-A-4123	POM-A-4124	POM-A-5124	POM-A-4125	POM-A-5125	POM-A-4126	POM-A-4127	POM-A-4128
Sample Date	Site Specific	7/22/08	7/24/08	12/8/09	7/24/08	3/10/10	7/24/08	7/22/08	7/22/08
Lab ID	Indoor Air	760811	761432	815386	761309	822525	761431	760812	760813
Matrix	Comparison Level	Air	Air	Air	Air	Air	Air	Air	Air
Unit	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3
Analyte									
Carbon Tetrachloride	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	510	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethane	0.8	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	1	1	0.8 U
1,1-Dichloroethene	220	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethene (cis)	36	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethene (trans)	73	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
Tetrachloroethene	1	1 U	1 U	1 U	1	1 U	7	1 U	4
1,1,1-Trichloroethane	1,000	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Trichloroethene	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Vinyl Chloride	0.5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U

Notes:

Highlighting denotes exceedance

U = Not detected above reporting limit

Table 5
Pre-Mitigation Indoor Air Analytical Results - Vapor Mitigation Area
DuPont Pompton Lakes Works - Vapor Intrusion Investigation
Pompton Lakes, Passaic County, New Jersey

Sample ID		POM-A-4129	POM-A-4130	POM-A-5130	POM-A-4131	POM-A-4132	POM-A-4133	POM-A-4134	POM-A-4135
Sample Date	Site Specific	7/22/08	7/22/08	2/18/10	7/23/08	7/23/08	7/23/08	7/24/08	7/24/08
Lab ID	Indoor Air	760815	760817	820846	761310	761311	761312	761313	761314
Matrix	Comparison Level	Air	Air	Air	Air	Air	Air	Air	Air
Unit	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3
Analyte									
Carbon Tetrachloride	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	510	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethane	0.8	2	1	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,1-Dichloroethene	220	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethene (cis)	36	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethene (trans)	73	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
Tetrachloroethene	1	4	2	1 U	2	1 U	1 U	1 U	1 U
1,1,1-Trichloroethane	1,000	1 U	3	1 U	1 U	1 U	1 U	1 U	1 U
Trichloroethene	1	2	1	1 U	1 U	1 U	1 U	1 U	1 U
Vinyl Chloride	0.5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U

Notes:

Highlighting denotes exceedance

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Table 5
Pre-Mitigation Indoor Air Analytical Results - Vapor Mitigation Area
DuPont Pompton Lakes Works - Vapor Intrusion Investigation
Pompton Lakes, Passaic County, New Jersey

Sample ID		POM-A-4136	POM-A-4137	POM-A-4138	POM-A-4139	POM-A-4140	POM-A-5140	POM-A-4141	POM-A-4142
Sample Date	Site Specific	8/8/08	7/24/08	7/25/08	7/25/08	7/25/08	1/27/10	7/25/08	8/13/08
Lab ID	Indoor Air	763375	761315	761433	761434	761435	818999	761436	763854
Matrix	Comparison Level	Air	Air	Air	Air	Air	Air	Air	Air
Unit	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3
Analyte									
Carbon Tetrachloride	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	510	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethane	0.8	0.8 U	0.8 U	0.8 U	10	4	0.8 U	0.8 U	0.8 U
1,1-Dichloroethene	220	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethene (cis)	36	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethene (trans)	73	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
Tetrachloroethene	1	1 U	1 U	2	0.8 U	0.8 U	1 U	1 U	2
1,1,1-Trichloroethane	1,000	1 U	1 U	1 U	8	9	1 U	1 U	1 U
Trichloroethene	1	1 U	1 U	1 U	2	1 U	1 U	1 U	1 U
Vinyl Chloride	0.5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U

Notes:

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Table 5
Pre-Mitigation Indoor Air Analytical Results - Vapor Mitigation Area
DuPont Pompton Lakes Works - Vapor Intrusion Investigation
Pompton Lakes, Passaic County, New Jersey

Sample ID		POM-A-4143	POM-A-4144	POM-A-4145	POM-A-4146	POM-A-4147	POM-A-5147	POM-A-4148	POM-A-4149
Sample Date	Site Specific	9/5/08	7/29/08	7/29/08	7/29/08	7/29/08	2/3/10	7/29/08	7/29/08
Lab ID	Indoor Air	766935	761681	761682	761683	761684	819606	761685	761686
Matrix	Comparison Level	Air	Air	Air	Air	Air	Air	Air	Air
Unit	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3
Analyte									
Carbon Tetrachloride	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	510	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethane	0.8	0.8 U	1	1	0.8 U	0.8 U	0.8 U	0.8 U	<0.81
1,1-Dichloroethene	220	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	<0.79
1,2-Dichloroethene (cis)	36	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	<0.79
1,2-Dichloroethene (trans)	73	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	<0.79
Tetrachloroethene	1	1 U	4	9	1 U	1 U	1 U	1 U	1 U
1,1,1-Trichloroethane	1,000	1 U	2	1 U	1 U	1 U	1 U	1 U	2
Trichloroethene	1	1 U	6	1 U	1 U	1 U	1 U	1 U	1 U
Vinyl Chloride	0.5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U

Notes:

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Table 5
Pre-Mitigation Indoor Air Analytical Results - Vapor Mitigation Area
DuPont Pompton Lakes Works - Vapor Intrusion Investigation
Pompton Lakes, Passaic County, New Jersey

Sample ID		POM-A-4150	POM-A-4151	POM-A-4152	POM-A-4153	POM-A-4154	POM-A-4155	POM-A-5155	POM-A-4156
Sample Date	Site Specific	7/29/08	7/29/08	7/29/08	7/29/08	7/29/08	7/29/08	2/3/10	7/31/08
Lab ID	Indoor Air	761687	761688	761689	761690	761934	761691	819607	761987
Matrix	Comparison Level	Air	Air	Air	Air	Air	Air	Air	Air
Unit	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3
Analyte									
Carbon Tetrachloride	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	510	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethane	0.8	0.8 U	2	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,1-Dichloroethene	220	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethene (cis)	36	0.8 U	0.8 U	0.8 U	1	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethene (trans)	73	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
Tetrachloroethene	1	5	2	1 U	20	5	1 U	1 U	1 U
1,1,1-Trichloroethane	1,000	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1
Trichloroethene	1	1 U	1 U	1 U	3	1	1 U	1 U	1 U
Vinyl Chloride	0.5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U

Notes:

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Table 5
Pre-Mitigation Indoor Air Analytical Results - Vapor Mitigation Area
DuPont Pompton Lakes Works - Vapor Intrusion Investigation
Pompton Lakes, Passaic County, New Jersey

Sample ID		POM-A-5156	POM-A-4157	POM-A-4158	POM-A-5158	POM-A-4159	POM-A-4160	POM-A-4161	POM-A-4162
Sample Date	Site Specific	2/24/10	7/31/08	7/31/08	2/10/10	7/31/08	7/30/08	7/30/08	7/30/08
Lab ID	Indoor Air	821204	761988	761989	820166	761990	761936	761991	761992
Matrix	Comparison Level	Air	Air	Air	Air	Air	Air	Air	Air
Unit	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3
Analyte									
Carbon Tetrachloride	1	1 U	1 U	1 U	1 U	1 U	10	1 U	1 U
1,1-Dichloroethane	510	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethane	0.8	0.8 U	2	0.8 U	0.8 U	0.8 U	0.9	0.8 U	1
1,1-Dichloroethene	220	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethene (cis)	36	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethene (trans)	73	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
Tetrachloroethene	1	1 U	1	1	1 U	1 U	1 U	1 U	1 U
1,1,1-Trichloroethane	1,000	1 U	16	1 U	1 U	1 U	8	1 U	1 U
Trichloroethene	1	1 U	1 U	1 U	1 U	1 U	3	1 U	1 U
Vinyl Chloride	0.5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U

Notes:

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Table 5
Pre-Mitigation Indoor Air Analytical Results - Vapor Mitigation Area
DuPont Pompton Lakes Works - Vapor Intrusion Investigation
Pompton Lakes, Passaic County, New Jersey

Sample ID		POM-A-4163	POM-A-4164	POM-A-4165	POM-A-4166	POM-A-4167	POM-A-4168	POM-A-4169	POM-A-4170
Sample Date	Site Specific	7/31/08	7/31/08	7/31/08	7/31/08	8/1/08	8/5/08	8/1/08	7/31/08
Lab ID	Indoor Air	762286	762287	762288	762289	762290	762571	762291	761993
Matrix	Comparison Level	Air	Air	Air	Air	Air	Air	Air	Air
Unit	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3
Analyte									
Carbon Tetrachloride	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	510	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethane	0.8	1	4	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,1-Dichloroethene	220	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethene (cis)	36	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethene (trans)	73	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
Tetrachloroethene	1	9	1 U	3	4	1 U	1 U	1	1 U
1,1,1-Trichloroethane	1,000	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Trichloroethene	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Vinyl Chloride	0.5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U

Notes:

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Table 5
Pre-Mitigation Indoor Air Analytical Results - Vapor Mitigation Area
DuPont Pompton Lakes Works - Vapor Intrusion Investigation
Pompton Lakes, Passaic County, New Jersey

Sample ID		POM-A-4171	POM-A-5171	POM-A-4172	POM-A-4173	POM-A-4174	POM-A-4175	POM-A-4176	POM-A-4177
Sample Date	Site Specific	7/31/08	2/17/10	7/31/08	7/31/08	8/5/08	8/5/08	8/6/08	8/6/08
Lab ID	Indoor Air	761994	820754	761995	762293	762572	762941	762942	762944
Matrix	Comparison Level	Air	Air	Air	Air	Air	Air	Air	Air
Unit	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3
Analyte									
Carbon Tetrachloride	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	510	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethane	0.8	0.8 U	0.8 U	1	0.8 U	0.8 U	0.8 U	5	0.8 U
1,1-Dichloroethene	220	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethene (cis)	36	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethene (trans)	73	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
Tetrachloroethene	1	1 U	1 U	2	1 U	1 U	2	1 U	1 U
1,1,1-Trichloroethane	1,000	1 U	1 U	1 U	1 U	2	3	8	2
Trichloroethene	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Vinyl Chloride	0.5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U

Notes:

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U = Not detected above reporting limit

Table 5
Pre-Mitigation Indoor Air Analytical Results - Vapor Mitigation Area
DuPont Pompton Lakes Works - Vapor Intrusion Investigation
Pompton Lakes, Passaic County, New Jersey

Sample ID		POM-A-4178	POM-A-4179	POM-A-5179	POM-A-4180	POM-A-4181	POM-A-4182	POM-A-4183	POM-A-5183
Sample Date	Site Specific	8/6/08	8/6/08	1/13/10	8/7/08	8/7/08	8/7/08	8/7/08	2/3/10
Lab ID	Indoor Air	762946	762948	817547	763134	763376	763135	763136	819608
Matrix	Comparison Level	Air	Air	Air	Air	Air	Air	Air	Air
Unit	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3
Analyte									
Carbon Tetrachloride	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	510	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethane	0.8	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	13	0.8 U	0.8 U
1,1-Dichloroethene	220	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethene (cis)	36	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethene (trans)	73	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
Tetrachloroethene	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,1-Trichloroethane	1,000	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Trichloroethene	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Vinyl Chloride	0.5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U

Notes:

Highlighting denotes exceedance

U = Not detected above reporting limit

Table 5
Pre-Mitigation Indoor Air Analytical Results - Vapor Mitigation Area
DuPont Pompton Lakes Works - Vapor Intrusion Investigation
Pompton Lakes, Passaic County, New Jersey

Sample ID		POM-A-4184	POM-A-4185	POM-A-4186	POM-A-4187	POM-A-4188	POM-A-4189	POM-A-4190	POM-A-4191
Sample Date	Site Specific	8/8/08	8/5/08	8/8/08	8/8/08	8/5/08	8/5/08	8/5/08	8/5/08
Lab ID	Indoor Air	763377	762573	763378	763379	762574	762575	762576	762577
Matrix	Comparison Level	Air	Air	Air	Air	Air	Air	Air	Air
Unit	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3
Analyte									
Carbon Tetrachloride	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	510	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethane	0.8	0.8 U	2	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,1-Dichloroethene	220	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethene (cis)	36	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethene (trans)	73	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
Tetrachloroethene	1	1 U	1 U	1 U	1 U	1 U	4	7	2
1,1,1-Trichloroethane	1,000	1 U	1 U	1 U	4	2	1 U	1 U	40
Trichloroethene	1	1 U	3	3	1 U	1 U	1 U	1 U	1 U
Vinyl Chloride	0.5	0.5 U	0.5 U	0.5 U	0.5 U	0.5	0.5 U	0.5 U	0.5 U

Notes:

Highlighting denotes exceedance

U = Not detected above reporting limit

Table 5
Pre-Mitigation Indoor Air Analytical Results - Vapor Mitigation Area
DuPont Pompton Lakes Works - Vapor Intrusion Investigation
Pompton Lakes, Passaic County, New Jersey

Sample ID		POM-A-4192	POM-A-4193	POM-A-4194	POM-A-4195	POM-A-5195	POM-A-4196	POM-A-4197	POM-A-4198
Sample Date	Site Specific	8/7/08	8/7/08	8/7/08	8/7/08	3/30/10	8/5/08	8/5/08	8/5/08
Lab ID	Indoor Air	763137	763138	763139	763140	824395	762578	762579	762580
Matrix	Comparison Level	Air	Air	Air	Air	Air	Air	Air	Air
Unit	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3
Analyte									
Carbon Tetrachloride	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	510	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethane	0.8	0.8	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,1-Dichloroethene	220	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethene (cis)	36	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethene (trans)	73	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
Tetrachloroethene	1	1 U	1 U	2	5	4	1 U	1 U	1 U
1,1,1-Trichloroethane	1,000	1 U	1 U	1 U	1 U	1 U	1 U	1	1 U
Trichloroethene	1	1 U	1	1 U	1 U	1 U	1 U	1 U	1 U
Vinyl Chloride	0.5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U

Notes:

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Table 5
Pre-Mitigation Indoor Air Analytical Results - Vapor Mitigation Area
DuPont Pompton Lakes Works - Vapor Intrusion Investigation
Pompton Lakes, Passaic County, New Jersey

Sample ID		POM-A-4199	POM-A-4200	POM-A-4201	POM-A-4202	POM-A-4203	POM-A-4204	POM-A-4205	POM-A-5205
Sample Date	Site-Specific	8/7/08	8/7/08	8/7/08	8/12/08	8/12/08	8/12/08	8/12/08	1/13/10
Lab ID	Indoor Air	763380	763141	763381	763661	763662	763663	763664	817546
Matrix	Comparison Level	Air	Air	Air	Air	Air	Air	Air	Air
Unit	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3
Analyte									
Carbon Tetrachloride	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	510	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethane	0.8	0.9	0.8 U	2	0.8 U	0.8 U	0.8 U	1	0.8 U
1,1-Dichloroethene	220	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethene (cis)	36	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethene (trans)	73	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
Tetrachloroethene	1	1 U	1 U	2	1 U	1	1 U	1 U	1 U
1,1,1-Trichloroethane	1,000	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Trichloroethene	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Vinyl Chloride	0.5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U

Notes:

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Table 5
Pre-Mitigation Indoor Air Analytical Results - Vapor Mitigation Area
DuPont Pompton Lakes Works - Vapor Intrusion Investigation
Pompton Lakes, Passaic County, New Jersey

Sample ID		POM-A-4206	POM-A-4207	POM-A-4208	POM-A-4209	POM-A-4210	POM-A-4211	POM-A-4212	POM-A-5212
Sample Date	Site-Specific	8/12/08	8/12/08	8/12/08	8/12/08	8/12/08	8/12/08	8/14/08	3/3/10
Lab ID	Indoor Air	763665	763666	763667	763668	763669	763670	764028	821773
Matrix	Comparison Level	Air	Air	Air	Air	Air	Air	Air	Air
Unit	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3
Analyte									
Carbon Tetrachloride	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	510	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethane	0.8	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	1
1,1-Dichloroethene	220	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethene (cis)	36	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethene (trans)	73	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
Tetrachloroethene	1	1 U	1	1 U	1 U	1 U	2	1 U	1 U
1,1,1-Trichloroethane	1,000	1 U	1 U	1 U	1 U	19	1 U	13	10
Trichloroethene	1	1 U	1 U	1 U	2	1 U	1 U	1 U	1 U
Vinyl Chloride	0.5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U

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Table 5
Pre-Mitigation Indoor Air Analytical Results - Vapor Mitigation Area
DuPont Pompton Lakes Works - Vapor Intrusion Investigation
Pompton Lakes, Passaic County, New Jersey

Sample ID		POM-A-4213	POM-A-5213	POM-A-4214	POM-A-4215	POM-A-4216	POM-A-4217	POM-A-4218	POM-A-4219
Sample Date	Site-Specific	8/14/08	2/9/10	8/14/08	8/14/08	8/14/08	8/14/08	8/13/08	8/13/08
Lab ID	Indoor Air	764029	820113	764030	764031	764540	764370	763855	763856
Matrix	Comparison Level	Air	Air	Air	Air	Air	Air	Air	Air
Unit	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3
Analyte									
Carbon Tetrachloride	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	510	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethane	0.8	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	4	0.8 U	0.8 U
1,1-Dichloroethene	220	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethene (cis)	36	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethene (trans)	73	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
Tetrachloroethene	1	5	2	1 U	3	1 U	1 U	1 U	1 U
1,1,1-Trichloroethane	1,000	1 U	1 U	1	280	1 U	1 U	1 U	1 U
Trichloroethene	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Vinyl Chloride	0.5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U

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Table 5
Pre-Mitigation Indoor Air Analytical Results - Vapor Mitigation Area
DuPont Pompton Lakes Works - Vapor Intrusion Investigation
Pompton Lakes, Passaic County, New Jersey

Sample ID		POM-A-5219	POM-A-4220	POM-A-5220	POM-A-4221	POM-A-4222	POM-A-4223	POM-A-4224	POM-A-4225
Sample Date	Site-Specific	3/16/10	8/13/08	8/13/08	8/13/08	8/14/08	8/14/08	8/14/08	8/14/08
Lab ID	Indoor Air	823091	764032	764035	764371	764033	764372	764034	764373
Matrix	Comparison Level	Air	Air	Air	Air	Air	Air	Air	Air
Unit	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3
Analyte									
Carbon Tetrachloride	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	510	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethane	0.8	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	4	0.8 U	0.8 U
1,1-Dichloroethene	220	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethene (cis)	36	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethene (trans)	73	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
Tetrachloroethene	1	1 U	1 U	8	1 U	1 U	1 U	1 U	1 U
1,1,1-Trichloroethane	1,000	1 U	1 U	2	1 U	1 U	1 U	13	1 U
Trichloroethene	1	1 U	1 U	1	1 U	1 U	1 U	1 U	1 U
Vinyl Chloride	0.5	0.5 U	0.5 U	0.7	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U

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Table 5
Pre-Mitigation Indoor Air Analytical Results - Vapor Mitigation Area
DuPont Pompton Lakes Works - Vapor Intrusion Investigation
Pompton Lakes, Passaic County, New Jersey

Sample ID		POM-A-4226	POM-A-4227	POM-A-4228	POM-A-4229	POM-A-4230	POM-A-4231	POM-A-4232	POM-A-4233
Sample Date	Site-Specific	8/15/08	8/15/08	8/15/08	8/15/08	8/19/08	8/19/08	8/19/08	8/19/08
Lab ID	Indoor Air	764343	764541	764346	764542	764763	764764	764765	764766
Matrix	Comparison Level	Air	Air	Air	Air	Air	Air	Air	Air
Unit	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3
Analyte									
Carbon Tetrachloride	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	510	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethane	0.8	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,1-Dichloroethene	220	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethene (cis)	36	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethene (trans)	73	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
Tetrachloroethene	1	4	3	1 U	3	1 U	1 U	1 U	1 U
1,1,1-Trichloroethane	1,000	1 U	1 U	1	1 U	1 U	1 U	26	1 U
Trichloroethene	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Vinyl Chloride	0.5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U

Notes:

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Table 5
Pre-Mitigation Indoor Air Analytical Results - Vapor Mitigation Area
DuPont Pompton Lakes Works - Vapor Intrusion Investigation
Pompton Lakes, Passaic County, New Jersey

Sample ID		POM-A-5233	POM-A-4234	POM-A-5234	POM-A-4235	POM-A-4236	POM-A-4237	POM-A-5237	POM-A-4238
Sample Date	Site-Specific	1/13/10	8/21/08	2/16/10	8/21/08	8/21/08	8/19/08	8/19/08	8/19/08
Lab ID	Indoor Air	817549	765069	820514	765068	765072	764767	764775	764768
Matrix	Comparison Level	Air	Air	Air	Air	Air	Air	Air	Air
Unit	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3
Analyte									
Carbon Tetrachloride	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	510	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethane	0.8	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,1-Dichloroethene	220	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethene (cis)	36	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethene (trans)	73	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
Tetrachloroethene	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,1-Trichloroethane	1,000	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Trichloroethene	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Vinyl Chloride	0.5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U

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Table 5
Pre-Mitigation Indoor Air Analytical Results - Vapor Mitigation Area
DuPont Pompton Lakes Works - Vapor Intrusion Investigation
Pompton Lakes, Passaic County, New Jersey

Sample ID		POM-A-4239	POM-A-4240	POM-A-4241	POM-A-4242	POM-A-5242	POM-A-4243	POM-A-4244	POM-A-4245
Sample Date	Site-Specific	8/19/08	8/19/08	8/21/08	8/21/08	1/13/10	8/21/08	8/21/08	8/19/08
Lab ID	Indoor Air	764769	764770	765496	765067	817551	765078	765077	764771
Matrix	Comparison Level	Air	Air	Air	Air	Air	Air	Air	Air
Unit	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3
Analyte									
Carbon Tetrachloride	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	510	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethane	0.8	1	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,1-Dichloroethene	220	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethene (cis)	36	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethene (trans)	73	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
Tetrachloroethene	1	1 U	5	1 U	3	1 U	1 U	1 U	1 U
1,1,1-Trichloroethane	1,000	1 U	1 U	21	1 U	1 U	1 U	1 U	1 U
Trichloroethene	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Vinyl Chloride	0.5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U

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Table 5
Pre-Mitigation Indoor Air Analytical Results - Vapor Mitigation Area
DuPont Pompton Lakes Works - Vapor Intrusion Investigation
Pompton Lakes, Passaic County, New Jersey

Sample ID		POM-A-4246	POM-A-4247	POM-A-4248	POM-A-4249A	POM-A-4249B	POM-A-4249C	POM-A-4249D	POM-A-4249E
Sample Date	Site-Specific	8/19/08	8/19/08	8/19/08	8/21/08	8/21/08	8/21/08	8/21/08	8/21/08
Lab ID	Indoor Air	764772	764773	764774	765086	765085	765083	765088	765087
Matrix	Comparison Level	Air	Air	Air	Air	Air	Air	Air	Air
Unit	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3
Analyte									
Carbon Tetrachloride	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	510	0.8 U	0.8 U	2	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethane	0.8	0.8 U	0.8 U	0.8 U	1	0.8 U	0.8 U	0.8 U	0.8 U
1,1-Dichloroethene	220	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethene (cis)	36	0.8 U	0.8 U	0.8 U	1	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethene (trans)	73	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
Tetrachloroethene	1	1 U	3	2	1 U	1 U	1 U	1 U	1 U
1,1,1-Trichloroethane	1,000	1 U	1 U	1	1 U	1 U	1 U	1 U	1 U
Trichloroethene	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Vinyl Chloride	0.5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U

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Table 5
Pre-Mitigation Indoor Air Analytical Results - Vapor Mitigation Area
DuPont Pompton Lakes Works - Vapor Intrusion Investigation
Pompton Lakes, Passaic County, New Jersey

Sample ID		POM-A-4249F	POM-A-4249G	POM-A-4249H	POM-A-4249I	POM-A-4249J	POM-A-4250	POM-A-4251	POM-A-5251
Sample Date	Site-Specific	8/21/08	8/21/08	8/21/08	8/21/08	8/21/08	8/20/08	9/25/08	2/3/10
Lab ID	Indoor Air	765089	765090	765080	765081	765082	765079	769352	819609
Matrix	Comparison Level	Air	Air	Air	Air	Air	Air	Air	Air
Unit	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3
Analyte									
Carbon Tetrachloride	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	510	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethane	0.8	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,1-Dichloroethene	220	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethene (cis)	36	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethene (trans)	73	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
Tetrachloroethene	1	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,1-Trichloroethane	1,000	1 U	1 U	1 U	1 U	1 U	1 U	2	1 U
Trichloroethene	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Vinyl Chloride	0.5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U

Notes:

Highlighting denotes exceedance

U = Not detected above reporting limit

Table 5
Pre-Mitigation Indoor Air Analytical Results - Vapor Mitigation Area
DuPont Pompton Lakes Works - Vapor Intrusion Investigation
Pompton Lakes, Passaic County, New Jersey

Sample ID		POM-A-4252	POM-A-4253	POM-A-4254	POM-A-4255	POM-A-4256	POM-A-4257	POM-A-4258	POM-A-4259
Sample Date	Site-Specific	8/26/08	8/26/08	8/26/08	8/26/08	8/28/08	8/28/08	8/28/08	8/28/08
Lab ID	Indoor Air	765657	765658	765648	765650	766048	766049	766050	766051
Matrix	Comparison Level	Air	Air	Air	Air	Air	Air	Air	Air
Unit	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3
Analyte									
Carbon Tetrachloride	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	510	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethane	0.8	4	0.8 U	0.8 U	0.8 U	1	0.8 U	0.8 U	0.8 U
1,1-Dichloroethene	220	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethene (cis)	36	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethene (trans)	73	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
Tetrachloroethene	1	4	4	1 U	1 U	1 U	1 U	1 U	1 U
1,1,1-Trichloroethane	1,000	3	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Trichloroethene	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Vinyl Chloride	0.5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U

Notes:

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Table 5
Pre-Mitigation Indoor Air Analytical Results - Vapor Mitigation Area
DuPont Pompton Lakes Works - Vapor Intrusion Investigation
Pompton Lakes, Passaic County, New Jersey

Sample ID		POM-A-4260	POM-A-4261	POM-A-4262	POM-A-4263	POM-A-4264	POM-A-4265	POM-A-4266	POM-A-4267
Sample Date	Site-Specific	8/28/08	8/26/08	8/26/08	8/26/08	9/4/08	8/28/08	8/28/08	8/28/08
Lab ID	Indoor Air	766052	765651	765652	765654	766726	766053	766054	766055
Matrix	Comparison Level	Air	Air	Air	Air	Air	Air	Air	Air
Unit	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3
Analyte									
Carbon Tetrachloride	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	510	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethane	0.8	0.8 U	0.8 U	0.9	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,1-Dichloroethene	220	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethene (cis)	36	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethene (trans)	73	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
Tetrachloroethene	1	1 U	1 U	1	2	1 U	1 U	1 U	1 U
1,1,1-Trichloroethane	1,000	1 U	1 U	1 U	1 U	1 U	2	1 U	4
Trichloroethene	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Vinyl Chloride	0.5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U

Notes:

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Table 5
Pre-Mitigation Indoor Air Analytical Results - Vapor Mitigation Area
DuPont Pompton Lakes Works - Vapor Intrusion Investigation
Pompton Lakes, Passaic County, New Jersey

Sample ID		POM-A-5267	POM-A-4269	POM-A-4270	POM-A-4271	POM-A-4272	POM-A-4273	POM-A-4274	POM-A-6274
Sample Date	Site-Specific	12/16/09	10/23/08	8/26/08	8/26/08	2/17/09	8/27/08	8/27/08	2/10/10
Lab ID	Indoor Air	816308	773233	765748	765659	785002	765749	765750	820168
Matrix	Comparison Level	Air	Air	Air	Air	Air	Air	Air	Air
Unit	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3
Analyte									
Carbon Tetrachloride	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	510	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethane	0.8	0.8 U	1	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,1-Dichloroethene	220	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethene (cis)	36	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethene (trans)	73	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
Tetrachloroethene	1	1 U	2	1 U	1	1 U	1 U	7	3
1,1,1-Trichloroethane	1,000	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Trichloroethene	1	1 U	1 U	1 U	1 U	1 U	1 U	1	1 U
Vinyl Chloride	0.5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U

Notes:

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Table 5
Pre-Mitigation Indoor Air Analytical Results - Vapor Mitigation Area
DuPont Pompton Lakes Works - Vapor Intrusion Investigation
Pompton Lakes, Passaic County, New Jersey

Sample ID		POM-A-4276	POM-A-5276	POM-A-4277	POM-A-4279	POM-A-5279	POM-A-4280	POM-A-4281	POM-A-6281
Sample Date	Site-Specific	8/28/08	1/13/10	8/28/08	9/4/08	1/5/10	9/4/08	9/4/08	3/30/10
Lab ID	Indoor Air	766056	817553	766057	766727	816838	766728	766906	824397
Matrix	Comparison Level	Air	Air	Air	Air	Air	Air	Air	Air
Unit	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3
Analyte									
Carbon Tetrachloride	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	510	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethane	0.8	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,1-Dichloroethene	220	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethene (cis)	36	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethene (trans)	73	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
Tetrachloroethene	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,1-Trichloroethane	1,000	1 U	1 U	1 U	1	1 U	1 U	3	2
Trichloroethene	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Vinyl Chloride	0.5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U

Notes:

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Table 5
Pre-Mitigation Indoor Air Analytical Results - Vapor Mitigation Area
DuPont Pompton Lakes Works - Vapor Intrusion Investigation
Pompton Lakes, Passaic County, New Jersey

Sample ID		POM-A-4282	POM-A-4283	POM-A-4284	POM-A-4285	POM-A-4286	POM-A-4287	POM-A-5287	POM-A-4288
Sample Date	Site-Specific	9/5/08	9/5/08	9/12/08	9/4/08	9/4/08	9/9/08	1/19/10	9/9/08
Lab ID	Indoor Air	766902	766901	767558	766729	766730	767125	818103	767126
Matrix	Comparison Level	Air	Air	Air	Air	Air	Air	Air	Air
Unit	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3
Analyte									
Carbon Tetrachloride	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	510	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethane	0.8	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,1-Dichloroethene	220	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethene (cis)	36	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethene (trans)	73	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
Tetrachloroethene	1	1 U	1 U	3	6	1 U	1 U	1 U	1 U
1,1,1-Trichloroethane	1,000	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Trichloroethene	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Vinyl Chloride	0.5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U

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Table 5
Pre-Mitigation Indoor Air Analytical Results - Vapor Mitigation Area
DuPont Pompton Lakes Works - Vapor Intrusion Investigation
Pompton Lakes, Passaic County, New Jersey

Sample ID		POM-A-4289	POM-A-4290	POM-A-5290	POM-A-4291	POM-A-4292	POM-A-4293	POM-A-4294	POM-A-5294
Sample Date	Site-Specific	9/9/08	9/9/08	4/21/09	9/9/08	9/9/08	9/9/08	9/9/08	1/19/10
Lab ID	Indoor Air	767127	767128	793126	767129	767130	767131	767132	818105
Matrix	Comparison Level	Air	Air	Air	Air	Air	Air	Air	Air
Unit	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3
Analyte									
Carbon Tetrachloride	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	510	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethane	0.8	0.8 U	1	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	1
1,1-Dichloroethene	220	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethene (cis)	36	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethene (trans)	73	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
Tetrachloroethene	1	1 U	3	1 U	3	2	1 U	1 U	1 U
1,1,1-Trichloroethane	1,000	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Trichloroethene	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Vinyl Chloride	0.5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U

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Table 5
Pre-Mitigation Indoor Air Analytical Results - Vapor Mitigation Area
DuPont Pompton Lakes Works - Vapor Intrusion Investigation
Pompton Lakes, Passaic County, New Jersey

Sample ID		POM-A-4295	POM-A-4296	POM-A-4297	POM-A-4298	POM-A-5298	POM-A-4299	POM-A-4300	POM-A-4301
Sample Date	Site-Specific	9/9/08	9/11/08	9/11/08	9/11/08	1/6/10	9/10/08	9/10/08	9/10/08
Lab ID	Indoor Air	767133	767353	767354	767356	816960	767351	767359	767360
Matrix	Comparison Level	Air	Air	Air	Air	Air	Air	Air	Air
Unit	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3
Analyte									
Carbon Tetrachloride	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	510	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethane	0.8	1	1	0.8 U	0.8 U	0.8 U	1	0.8 U	0.8 U
1,1-Dichloroethene	220	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethene (cis)	36	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethene (trans)	73	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
Tetrachloroethene	1	4	1	1 U	1 U	1 U	1 U	1 U	1 U
1,1,1-Trichloroethane	1,000	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Trichloroethene	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Vinyl Chloride	0.5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U

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Table 5
Pre-Mitigation Indoor Air Analytical Results - Vapor Mitigation Area
DuPont Pompton Lakes Works - Vapor Intrusion Investigation
Pompton Lakes, Passaic County, New Jersey

Sample ID		POM-A-4302	POM-A-4303	POM-A-4304	POM-A-4305	POM-A-4306	POM-A-5306	POM-A-4307	POM-A-4308
Sample Date	Site-Specific	9/11/08	9/11/08	9/17/08	9/16/08	9/16/08	3/9/10	9/16/08	9/18/08
Lab ID	Indoor Air	767352	767559	768121	767838	767839	822268	767840	768544
Matrix	Comparison Level	Air	Air	Air	Air	Air	Air	Air	Air
Unit	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3
Analyte									
Carbon Tetrachloride	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	510	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethane	0.8	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,1-Dichloroethene	220	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethene (cis)	36	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethene (trans)	73	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
Tetrachloroethene	1	1 U	1 U	1 U	1 U	1 U	1 U	5	1 U
1,1,1-Trichloroethane	1,000	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Trichloroethene	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Vinyl Chloride	0.5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U

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Table 5
Pre-Mitigation Indoor Air Analytical Results - Vapor Mitigation Area
DuPont Pompton Lakes Works - Vapor Intrusion Investigation
Pompton Lakes, Passaic County, New Jersey

Sample ID		POM-A-5308	POM-A-4309	POM-A-4310	POM-A-4312	POM-A-4313	POM-A-5313	POM-A-4314	POM-A-5314
Sample Date	Site-Specific	3/2/10	9/18/08	9/16/08	9/17/08	9/23/08	12/3/09	9/18/08	2/10/10
Lab ID	Indoor Air	821650	768545	767841	768122	768943	815190	768541	820167
Matrix	Comparison Level	Air	Air	Air	Air	Air	Air	Air	Air
Unit	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3
Analyte									
Carbon Tetrachloride	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	510	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethane	0.8	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8
1,1-Dichloroethene	220	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethene (cis)	36	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethene (trans)	73	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
Tetrachloroethene	1	1 U	2	1 U	1 U	1 U	2	1 U	3
1,1,1-Trichloroethane	1,000	1 U	1 U	3	1 U	1 U	1 U	1 U	1 U
Trichloroethene	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Vinyl Chloride	0.5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U

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Table 5
Pre-Mitigation Indoor Air Analytical Results - Vapor Mitigation Area
DuPont Pompton Lakes Works - Vapor Intrusion Investigation
Pompton Lakes, Passaic County, New Jersey

Sample ID		POM-A-4315	POM-A-4316	POM-A-4317	POM-A-4318	POM-A-4319	POM-A-4320	POM-A-4321	POM-A-4322
Sample Date	Site-Specific	9/18/08	9/23/08	9/23/08	9/24/08	9/26/08	9/26/08	9/25/08	9/25/08
Lab ID	Indoor Air	768542	769087	768944	769084	769692	769694	769353	769695
Matrix	Comparison Level	Air	Air	Air	Air	Air	Air	Air	Air
Unit	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3
Analyte									
Carbon Tetrachloride	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	510	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethane	0.8	0.8 U	0.8 U	2	0.9	0.8 U	1	0.8 U	4
1,1-Dichloroethene	220	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethene (cis)	36	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethene (trans)	73	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
Tetrachloroethene	1	7	2	1 U	68	10	2	1 U	1 U
1,1,1-Trichloroethane	1,000	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2
Trichloroethene	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Vinyl Chloride	0.5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U

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Table 5
Pre-Mitigation Indoor Air Analytical Results - Vapor Mitigation Area
DuPont Pompton Lakes Works - Vapor Intrusion Investigation
Pompton Lakes, Passaic County, New Jersey

Sample ID		POM-A-4323	POM-A-4324	POM-A-4325	POM-A-4326	POM-A-4327	POM-A-4328	POM-A-5328	POM-A-4329
Sample Date	Site-Specific	9/30/08	9/30/08	9/30/08	9/30/08	10/2/08	10/7/08	12/1/09	10/2/08
Lab ID	Indoor Air	770039	770040	770041	770042	770588	770969	814855	770590
Matrix	Comparison Level	Air	Air	Air	Air	Air	Air	Air	Air
Unit	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3
Analyte									
Carbon Tetrachloride	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	510	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethane	0.8	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	2
1,1-Dichloroethene	220	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethene (cis)	36	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethene (trans)	73	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
Tetrachloroethene	1	6	1 U	2	1 U	1 U	1 U	1 U	1 U
1,1,1-Trichloroethane	1,000	30	1 U	3	1 U	1 U	1 U	1 U	1 U
Trichloroethene	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Vinyl Chloride	0.5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U

Notes:

Highlighting denotes exceedance

U = Not detected above reporting limit

Table 5
Pre-Mitigation Indoor Air Analytical Results - Vapor Mitigation Area
DuPont Pompton Lakes Works - Vapor Intrusion Investigation
Pompton Lakes, Passaic County, New Jersey

Sample ID		POM-A-4331	POM-A-4332	POM-A-4333	POM-A-4334	POM-A-4335	POM-A-4336	POM-A-4337B	POM-A-4337D
Sample Date	Site-Specific	10/8/08	10/9/08	10/10/08	1/8/09	11/19/08	10/15/08	12/3/08	12/3/08
Lab ID	Indoor Air	770970	771446	771444	781224	777167	771835	778125	778126
Matrix	Comparison Level	Air	Air	Air	Air	Air	Air	Air	Air
Unit	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3
Analyte									
Carbon Tetrachloride	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	510	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethane	0.8	0.8 U	2	0.8 U	0.8 U	0.8 U	9	0.8 U	0.8 U
1,1-Dichloroethene	220	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethene (cis)	36	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethene (trans)	73	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
Tetrachloroethene	1	1 U	1 U	1 U	1 U	1 U	1 U	1	1 U
1,1,1-Trichloroethane	1,000	2	1 U	1 U	1 U	1 U	9	1 U	1 U
Trichloroethene	1	2	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Vinyl Chloride	0.5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U

Notes:

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Table 5
Pre-Mitigation Indoor Air Analytical Results - Vapor Mitigation Area
DuPont Pompton Lakes Works - Vapor Intrusion Investigation
Pompton Lakes, Passaic County, New Jersey

Sample ID		POM-A-4337S	POM-A-4338	POM-A-4339	POM-A-4342	POM-A-4343	POM-A-4344	POM-A-4345	POM-A-4346
Sample Date	Site-Specific	12/3/08	10/17/08	10/16/08	10/21/08	10/21/08	10/21/08	10/22/08	10/29/08
Lab ID	Indoor Air	778127	772183	772184	772554	772845	772555	772846	773675
Matrix	Comparison Level	Air	Air	Air	Air	Air	Air	Air	Air
Unit	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3
Analyte									
Carbon Tetrachloride	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	510	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethane	0.8	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,1-Dichloroethene	220	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethene (cis)	36	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethene (trans)	73	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
Tetrachloroethene	1	1 U	1 U	1 U	2	1 U	1 U	2	1 U
1,1,1-Trichloroethane	1,000	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Trichloroethene	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Vinyl Chloride	0.5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U

Notes:

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Table 5
Pre-Mitigation Indoor Air Analytical Results - Vapor Mitigation Area
DuPont Pompton Lakes Works - Vapor Intrusion Investigation
Pompton Lakes, Passaic County, New Jersey

Sample ID		POM-A-4347	POM-A-5347	POM-A-4348	POM-A-4349	POM-A-4350	POM-A-4351	POM-A-4352	POM-A-5352
Sample Date	Site-Specific	10/30/08	3/23/10	10/30/08	10/30/08	11/5/08	11/5/08	11/6/08	2/17/10
Lab ID	Indoor Air	773809	823564	773810	773811	774503	774504	775449	820755
Matrix	Comparison Level	Air	Air	Air	Air	Air	Air	Air	Air
Unit	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3
Analyte									
Carbon Tetrachloride	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	510	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethane	0.8	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,1-Dichloroethene	220	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethene (cis)	36	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethene (trans)	73	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
Tetrachloroethene	1	1 U	1 U	1 U	1 U	1 U	2	3	1 U
1,1,1-Trichloroethane	1,000	2	4	1 U	1 U	4	1 U	1 U	1 U
Trichloroethene	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Vinyl Chloride	0.5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U

Notes:

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Table 5
Pre-Mitigation Indoor Air Analytical Results - Vapor Mitigation Area
DuPont Pompton Lakes Works - Vapor Intrusion Investigation
Pompton Lakes, Passaic County, New Jersey

Sample ID		POM-A-4353	POM-A-4354	POM-A-5354	POM-A-4355	POM-A-4356	POM-A-4358	POM-A-4359	POM-A-4361
Sample Date	Site-Specific	11/7/08	11/11/08	3/10/10	11/12/08	11/25/08	12/2/08	12/16/08	1/8/09
Lab ID	Indoor Air	775450	775714	822528	775715	777567	777876	779752	781225
Matrix	Comparison Level	Air	Air	Air	Air	Air	Air	Air	Air
Unit	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3
Analyte									
Carbon Tetrachloride	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	510	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethane	0.8	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,1-Dichloroethene	220	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethene (cis)	36	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethene (trans)	73	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
Tetrachloroethene	1	2	1 U	1 U	1 U	1 U	1 U	2	2
1,1,1-Trichloroethane	1,000	1 U	1 U	1 U	1 U	3	1 U	1 U	1 U
Trichloroethene	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Vinyl Chloride	0.5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U

Notes:

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Table 5
Pre-Mitigation Indoor Air Analytical Results - Vapor Mitigation Area
DuPont Pompton Lakes Works - Vapor Intrusion Investigation
Pompton Lakes, Passaic County, New Jersey

Sample ID		POM-A-4362	POM-A-4363	POM-A-4364	POM-A-5364	POM-A-4365	POM-A-5365	POM-A-4366	POM-A-4367
Sample Date	Site-Specific	1/8/09	1/20/09	1/23/09	3/30/10	1/27/09	2/18/10	1/29/09	2/5/09
Lab ID	Indoor Air	781409	782308	782531	824396	782711	820847	782971	783634
Matrix	Comparison Level	Air	Air	Air	Air	Air	Air	Air	Air
Unit	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3
Analyte									
Carbon Tetrachloride	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	510	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethane	0.8	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,1-Dichloroethene	220	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethene (cis)	36	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethene (trans)	73	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
Tetrachloroethene	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	3
1,1,1-Trichloroethane	1,000	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Trichloroethene	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Vinyl Chloride	0.5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U

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Table 5
Pre-Mitigation Indoor Air Analytical Results - Vapor Mitigation Area
DuPont Pompton Lakes Works - Vapor Intrusion Investigation
Pompton Lakes, Passaic County, New Jersey

Sample ID		POM-A-5367	POM-A-4368	POM-A-5368	POM-A-4369	POM-A-4370	POM-A-4371	POM-A-4373	POM-A-4375
Sample Date	Site-Specific	1/27/10	2/11/09	3/4/10	2/12/09	3/3/09	3/24/09	4/1/09	4/9/09
Lab ID	Indoor Air	819001	784123	821866	784477	787411	789979	791210	792468
Matrix	Comparison Level	Air	Air	Air	Air	Air	Air	Air	Air
Unit	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3
Analyte									
Carbon Tetrachloride	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	510	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethane	0.8	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,1-Dichloroethene	220	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethene (cis)	36	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethene (trans)	73	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
Tetrachloroethene	1	1 U	2	1 U	1 U	1 U	1 U	1 U	2
1,1,1-Trichloroethane	1,000	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Trichloroethene	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Vinyl Chloride	0.5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U

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Table 5
Pre-Mitigation Indoor Air Analytical Results - Vapor Mitigation Area
DuPont Pompton Lakes Works - Vapor Intrusion Investigation
Pompton Lakes, Passaic County, New Jersey

Sample ID		POM-A-4376	POM-A-4377	POM-A-4378	POM-A-4379	POM-A-4380	POM-A-4383	POM-A-5383	POM-A-4384
Sample Date	Site-Specific	11/24/09	4/23/09	4/30/09	5/13/09	5/27/09	6/24/09	1/5/10	7/2/09
Lab ID	Indoor Air	814629	793458	794323	795437	796766	799526	816839	799957
Matrix	Comparison Level	Air	Air	Air	Air	Air	Air	Air	Air
Unit	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3
Analyte									
Carbon Tetrachloride	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	510	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethane	0.8	2	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	2
1,1-Dichloroethene	220	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethene (cis)	36	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethene (trans)	73	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
Tetrachloroethene	1	17	1 U	1 U	2	1 U	1 U	1 U	1 U
1,1,1-Trichloroethane	1,000	7	1 U	1 U	8	1 U	1 U	1 U	1 U
Trichloroethene	1	1 U	1 U	1	1 U	2	1 U	1 U	1 U
Vinyl Chloride	0.5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U

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Table 5
Pre-Mitigation Indoor Air Analytical Results - Vapor Mitigation Area
DuPont Pompton Lakes Works - Vapor Intrusion Investigation
Pompton Lakes, Passaic County, New Jersey

Sample ID		POM-A-4385	POM-A-4386	POM-A-4387	POM-A-4389	POM-A-4390	POM-A-4391	POM-A-4392	POM-A-4394
Sample Date	Site-Specific	7/9/09	8/4/09	8/12/09	8/18/09	8/20/09	8/21/09	9/3/09	9/22/09
Lab ID	Indoor Air	800323	802837	803669	804230	804371	804466	805698	807772
Matrix	Comparison Level	Air	Air	Air	Air	Air	Air	Air	Air
Unit	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3
Analyte									
Carbon Tetrachloride	1	1 U	1 U	1 U	1 U	1 U	1	1 U	1 U
1,1-Dichloroethane	510	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethane	0.8	0.8 U	0.8 U	11	0.8 U	0.9	0.8 U	5	4
1,1-Dichloroethene	220	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethene (cis)	36	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethene (trans)	73	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.9
Tetrachloroethene	1	1 U	1 U	1 U	1 U	7	1 U	1 U	1 U
1,1,1-Trichloroethane	1,000	1 U	1 U	2	1 U	1 U	1 U	1 U	1 U
Trichloroethene	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Vinyl Chloride	0.5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U

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Table 5
Pre-Mitigation Indoor Air Analytical Results - Vapor Mitigation Area
DuPont Pompton Lakes Works - Vapor Intrusion Investigation
Pompton Lakes, Passaic County, New Jersey

Sample ID		POM-A-4395	POM-A-4396	POM-A-4397	POM-A-4398	POM-A-4401	POM-A-4402	POM-A-4404	POM-A-4405
Sample Date	Site-Specific	9/23/09	9/24/09	1/13/10	12/8/09	1/6/10	1/19/10	2/9/10	2/16/10
Lab ID	Indoor Air	807464	807773	817544	815384	816959	818101	820110	820513
Matrix	Comparison Level	Air	Air	Air	Air	Air	Air	Air	Air
Unit	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3
Analyte									
Carbon Tetrachloride	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	510	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethane	0.8	0.8 U	3	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,1-Dichloroethene	220	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethene (cis)	36	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethene (trans)	73	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
Tetrachloroethene	1	1 U	1 U	1 U	1 U	2	1 U	1 U	1 U
1,1,1-Trichloroethane	1,000	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Trichloroethene	1	1 U	1 U	1 U	1 U	1	1 U	1 U	1 U
Vinyl Chloride	0.5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U

Notes:

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Table 5
Pre-Mitigation Indoor Air Analytical Results - Vapor Mitigation Area
DuPont Pompton Lakes Works - Vapor Intrusion Investigation
Pompton Lakes, Passaic County, New Jersey

Sample ID		POM-A-4407	POM-A-4408
Sample Date	Site-Specific	3/2/10	3/17/10
Lab ID	Indoor Air	821648	823098
Matrix	Comparison Level	Air	Air
Unit	ug/m^3	ug/m^3	ug/m^3
Analyte			
Carbon Tetrachloride	1	1 U	1 U
1,1-Dichloroethane	510	0.8 U	0.8 U
1,2-Dichloroethane	0.8	0.8 U	0.8 U
1,1-Dichloroethene	220	0.8 U	0.8 U
1,2-Dichloroethene (cis)	36	0.8 U	0.8 U
1,2-Dichloroethene (trans)	73	0.8 U	0.8 U
Tetrachloroethene	1	1 U	1 U
1,1,1-Trichloroethane	1,000	5	1 U
Trichloroethene	1	1 U	1 U
Vinyl Chloride	0.5	0.5 U	0.5 U

Notes:

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Table 6
Ambient Air Analytical Results
DuPont Pompton Lakes Works - Vapor Intrusion Investigation
Pompton Lakes, Passaic County, New Jersey

Sample ID	POM-A-7001	POM-A-7003	POM-A-7005	POM-A-7006	POM-A-7007	POM-A-8007	POM-A-7008	POM-A-7009	POM-A-7010
Sample Date	6/21/08	6/4/08	6/20/08	7/1/08	6/19/08	4/28/09	6/19/08	6/20/08	6/24/08
Lab ID	757172	754605	757174	758587	7569	794079	756946	757176	757590
Matrix	Air	Air	Air	Air	Air	Air	Air	Air	Air
Unit	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3
Analyte									
Carbon Tetrachloride	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethane	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,1-Dichloroethene	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethene (cis)	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethene (trans)	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
Tetrachloroethene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,1-Trichloroethane	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Trichloroethene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Vinyl Chloride	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U

Notes:

U = Not detected above reporting limit

Table 6
Ambient Air Analytical Results
DuPont Pompton Lakes Works - Vapor Intrusion Investigation
Pompton Lakes, Passaic County, New Jersey

Sample ID	POM-A-8010	POM-A-9010	POM-A-8011	POM-A-9011	POM-A-G011	POM-A-7012	POM-A-7013	POM-A-8013	POM-A-7014
Sample Date	10/14/08	12/19/08	8/1/08	10/13/09	3/18/10	10/17/08	6/25/08	3/30/10	6/26/08
Lab ID	771833	780393	762296	810447	823329	772185	757878	824453	757876
Matrix	Air	Air	Air	Air	Air	Air	Air	Air	Air
Unit	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3
Analyte									
Carbon Tetrachloride	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethane	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	3	0.8 U
1,1-Dichloroethene	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethene (cis)	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethene (trans)	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
Tetrachloroethene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	4	1 U
1,1,1-Trichloroethane	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Trichloroethene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Vinyl Chloride	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U

Notes:

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Table 6
Ambient Air Analytical Results
DuPont Pompton Lakes Works - Vapor Intrusion Investigation
Pompton Lakes, Passaic County, New Jersey

Analyte	Sample ID	Sample Date	Lab ID	Matrix	Unit
Carbon Tetrachloride	POM-A-7015	6/26/08	757874	Air	ug/m3
1,1-Dichloroethane	POM-A-7017	6/27/08	758084	Air	ug/m3
1,2-Dichloroethane	POM-A-8017	2/4/09	783637	Air	ug/m3
1,1-Dichloroethene	POM-A-9017	5/21/09	796420	Air	ug/m3
1,2-Dichloroethene (cis)	POM-A-7018	6/27/08	758086	Air	ug/m3
1,2-Dichloroethene (trans)	POM-A-7019	6/27/08	758088	Air	ug/m3
Tetrachloroethene	POM-A-7020	6/27/08	758090	Air	ug/m3
1,1,1-Trichloroethane	POM-A-8020	11/18/09	814255	Air	ug/m3
Trichloroethene	POM-A-7021	6/27/08	758092	Air	ug/m3
Vinyl Chloride					
Carbon Tetrachloride	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethane	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,1-Dichloroethene	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethene (cis)	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethene (trans)	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
Tetrachloroethene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,1-Trichloroethane	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Trichloroethene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Vinyl Chloride	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U

Notes:

U = Not detected above reporting limit

Table 6
Ambient Air Analytical Results
DuPont Pompton Lakes Works - Vapor Intrusion Investigation
Pompton Lakes, Passaic County, New Jersey

Sample ID	POM-A-7022	POM-A-7023	POM-A-8023	POM-A-7024	POM-A-7025	POM-A-7026	POM-A-8026	POM-A-7027	POM-A-8027
Sample Date	6/27/08	6/27/08	12/23/08	6/27/08	6/27/08	7/1/08	5/7/09	7/1/08	2/24/10
Lab ID	758094	758096	780521	758097	758100	758521	795001	758591	821207
Matrix	Air	Air	Air	Air	Air	Air	Air	Air	Air
Unit	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3
Analyte									
Carbon Tetrachloride	1 U	1 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	0.8 U	0.8 U	0.8 U	0.8 U	1 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethane	0.8 U	0.8 U	0.8 U	0.8 U	1 U	0.8 U	0.8 U	0.8 U	0.8 U
1,1-Dichloroethene	0.8 U	0.8 U	0.8 U	0.8 U	1 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethene (cis)	0.8 U	0.8 U	0.8 U	0.8 U	1 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethene (trans)	0.8 U	0.8 U	0.8 U	0.8 U	1 U	0.8 U	0.8 U	0.8 U	0.8 U
Tetrachloroethene	1 U	1 U	1 U	1 U	3 U	1 U	1 U	1 U	1 U
1,1,1-Trichloroethane	1 U	1 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U
Trichloroethene	1 U	1 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U
Vinyl Chloride	0.5 U	0.5 U	0.5 U	0.5 U	0.9 U	0.5 U	0.5 U	0.5 U	0.5 U

Notes:

U = Not detected above reporting limit

Table 6
Ambient Air Analytical Results
DuPont Pompton Lakes Works - Vapor Intrusion Investigation
Pompton Lakes, Passaic County, New Jersey

Sample ID	POM-A-7028	POM-A-7029	POM-A-7030	POM-A-7031	POM-A-8031	POM-A-7032	POM-A-7033	POM-A-8033	POM-A-9033
Sample Date	7/1/08	7/1/08	7/2/08	7/17/08	3/18/09	7/2/08	7/2/08	5/13/09	1/19/10
Lab ID	758523	758589	758594	760315	789252	758596	758598	795440	818108
Matrix	Air	Air	Air	Air	Air	Air	Air	Air	Air
Unit	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3
Analyte									
Carbon Tetrachloride	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethane	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,1-Dichloroethene	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethene (cis)	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethene (trans)	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
Tetrachloroethene	1 U	1 U	2	1 U	1 U	1 U	1 U	1 U	1 U
1,1,1-Trichloroethane	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Trichloroethene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Vinyl Chloride	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U

Notes:

U = Not detected above reporting limit

Table 6
Ambient Air Analytical Results
DuPont Pompton Lakes Works - Vapor Intrusion Investigation
Pompton Lakes, Passaic County, New Jersey

Sample ID	POM-A-7034	POM-A-8034	POM-A-7035	POM-A-7036	POM-A-7037	POM-A-7038	POM-A-8038	POM-A-7039	POM-A-7040
Sample Date	9/9/08	1/29/09	1/16/09	4/13/10	11/12/08	7/8/08	3/2/10	7/8/08	7/8/08
Lab ID	767134	782975	781984	826674	775716	759126	821653	759128	759130
Matrix	Air	Air	Air	Air	Air	Air	Air	Air	Air
Unit	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3
Analyte									
Carbon Tetrachloride	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethane	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,1-Dichloroethene	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethene (cis)	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethene (trans)	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
Tetrachloroethene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,1-Trichloroethane	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Trichloroethene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Vinyl Chloride	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U

Notes:

U = Not detected above reporting limit

Table 6
Ambient Air Analytical Results
DuPont Pompton Lakes Works - Vapor Intrusion Investigation
Pompton Lakes, Passaic County, New Jersey

Sample ID	POM-A-8040	POM-A-7041	POM-A-8041	POM-A-7042	POM-A-8042	POM-A-9042	POM-A-G042	POM-A-8043	POM-A-7044
Sample Date	3/11/10	7/8/08	2/3/10	7/8/08	2/26/09	6/17/09	3/30/10	2/9/10	7/8/08
Lab ID	821333	759132	819612	759134	786396	798806	824400	820117	759138
Matrix	Air	Air	Air	Air	Air	Air	Air	Air	Air
Unit	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3
Analyte									
Carbon Tetrachloride	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethane	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,1-Dichloroethene	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethene (cis)	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethene (trans)	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
Tetrachloroethene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,1-Trichloroethane	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Trichloroethene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Vinyl Chloride	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U

Notes:

U = Not detected above reporting limit

Table 6
Ambient Air Analytical Results
DuPont Pompton Lakes Works - Vapor Intrusion Investigation
Pompton Lakes, Passaic County, New Jersey

Sample ID	POM-A-8046	POM-A-9046	POM-A-7047	POM-A-8047	POM-A-7048	POM-A-7049	POM-A-7052	POM-A-8052	POM-A-8053
Sample Date	8/6/08	12/17/08	7/8/08	12/30/08	7/8/08	7/8/08	7/17/08	2/24/09	8/1/08
Lab ID	762950	780169	759140	780755	759148	759142	760317	786057	762297
Matrix	Air	Air	Air	Air	Air	Air	Air	Air	Air
Unit	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3
Analyte									
Carbon Tetrachloride	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethane	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,1-Dichloroethene	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethene (cis)	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethene (trans)	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
Tetrachloroethene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,1-Trichloroethane	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Trichloroethene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Vinyl Chloride	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U

Notes:

U = Not detected above reporting limit

Table 6
Ambient Air Analytical Results
DuPont Pompton Lakes Works - Vapor Intrusion Investigation
Pompton Lakes, Passaic County, New Jersey

Sample ID	POM-A-9053	POM-A-7054	POM-A-8054	POM-A-7055	POM-A-7056	POM-A-8056	POM-A-7058	POM-A-7059	POM-A-7060
Sample Date	3/26/10	7/9/08	11/18/08	7/9/08	7/9/08	12/17/08	7/10/08	7/10/08	7/10/08
Lab ID	824272	759373	776597	759737	759375	780395	759377	759379	759381
Matrix	Air	Air	Air	Air	Air	Air	Air	Air	Air
Unit	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3
Analyte									
Carbon Tetrachloride	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethane	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,1-Dichloroethene	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethene (cis)	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethene (trans)	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
Tetrachloroethene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,1-Trichloroethane	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Trichloroethene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Vinyl Chloride	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U

Notes:

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Table 6
Ambient Air Analytical Results
DuPont Pompton Lakes Works - Vapor Intrusion Investigation
Pompton Lakes, Passaic County, New Jersey

Sample ID	POM-A-7061	POM-A-7062	POM-A-7063	POM-A-7064	POM-A-8064	POM-A-7065	POM-A-7066	POM-A-8066	POM-A-7067
Sample Date	7/10/08	8/14/08	7/17/08	7/10/08	12/5/08	7/10/08	7/10/08	11/25/08	7/10/08
Lab ID	759383	764036	760505	759385	778401	759387	759394	777570	759391
Matrix	Air	Air	Air	Air	Air	Air	Air	Air	Air
Unit	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3
Analyte									
Carbon Tetrachloride	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethane	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,1-Dichloroethene	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethene (cis)	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethene (trans)	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
Tetrachloroethene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,1-Trichloroethane	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Trichloroethene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Vinyl Chloride	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U

Notes:

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Table 6
Ambient Air Analytical Results
DuPont Pompton Lakes Works - Vapor Intrusion Investigation
Pompton Lakes, Passaic County, New Jersey

Sample ID	POM-A-8067	POM-A-7068	POM-A-7071	POM-A-8071	POM-A-7072	POM-A-8072	POM-A-7073	POM-A-7074	POM-A-8074
Sample Date	12/11/08	12/11/08	7/15/08	1/26/10	7/11/08	1/14/09	7/11/08	7/11/08	8/13/09
Lab ID	779473	779186	759873	818754	759508	781762	759739	759509	803674
Matrix	Air	Air	Air	Air	Air	Air	Air	Air	Air
Unit	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3
Analyte									
Carbon Tetrachloride	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethane	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,1-Dichloroethene	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethene (cis)	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethene (trans)	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
Tetrachloroethene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,1-Trichloroethane	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Trichloroethene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Vinyl Chloride	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U

Notes:

U = Not detected above reporting limit

Table 6
Ambient Air Analytical Results
DuPont Pompton Lakes Works - Vapor Intrusion Investigation
Pompton Lakes, Passaic County, New Jersey

Sample ID	POM-A-9074	POM-A-7076	POM-A-7077	POM-A-8077	POM-A-7078	POM-A-8078	POM-A-7079	POM-A-7080	POM-A-8080
Sample Date	2/4/10	2/12/09	7/10/08	8/20/09	7/15/08	2/17/10	4/14/09	7/15/08	3/17/09
Lab ID	819898	784478	759510	804379	759875	820758	792635	759878	789251
Matrix	Air	Air	Air	Air	Air	Air	Air	Air	Air
Unit	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3
Analyte									
Carbon Tetrachloride	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethane	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,1-Dichloroethene	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethene (cis)	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethene (trans)	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
Tetrachloroethene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,1-Trichloroethane	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Trichloroethene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Vinyl Chloride	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U

Notes:

U = Not detected above reporting limit

Table 6
Ambient Air Analytical Results
DuPont Pompton Lakes Works - Vapor Intrusion Investigation
Pompton Lakes, Passaic County, New Jersey

Sample ID	POM-A-7081	POM-A-7082	POM-A-7083	POM-A-7084	POM-A-7085	POM-A-8085	POM-A-7086	POM-A-7087	POM-A-7088
Sample Date	7/15/08	7/15/08	7/15/08	7/15/08	7/15/08	12/18/08	7/15/08	7/15/08	7/15/08
Lab ID	759880	759882	759884	759886	760174	780398	759888	759890A	759892
Matrix	Air	Air	Air	Air	Air	Air	Air	Air	Air
Unit	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3
Analyte									
Carbon Tetrachloride	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethane	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,1-Dichloroethene	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethene (cis)	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethene (trans)	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
Tetrachloroethene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,1-Trichloroethane	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Trichloroethene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Vinyl Chloride	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U

Notes:

U = Not detected above reporting limit

Table 6
Ambient Air Analytical Results
DuPont Pompton Lakes Works - Vapor Intrusion Investigation
Pompton Lakes, Passaic County, New Jersey

Sample ID	POM-A-7089	POM-A-7091	POM-A-7093	POM-A-7094	POM-A-7095	POM-A-8095	POM-A-7096	POM-A-8096	POM-A-7097
Sample Date	7/15/08	10/10/08	7/16/08	7/16/08	7/17/08	5/28/09	7/17/08	2/16/10	7/17/08
Lab ID	759894	771447	760176	760178	760319	796769	760321	820759	760323
Matrix	Air	Air	Air	Air	Air	Air	Air	Air	Air
Unit	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3
Analyte									
Carbon Tetrachloride	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethane	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,1-Dichloroethene	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethene (cis)	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethene (trans)	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
Tetrachloroethene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,1-Trichloroethane	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Trichloroethene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Vinyl Chloride	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U

Notes:

U = Not detected above reporting limit

Table 6
Ambient Air Analytical Results
DuPont Pompton Lakes Works - Vapor Intrusion Investigation
Pompton Lakes, Passaic County, New Jersey

Sample ID	POM-A-8097	POM-A-7098	POM-A-7099	POM-A-7100	POM-A-7101	POM-A-8101	POM-A-7102	POM-A-7103	POM-A-8103
Sample Date	12/12/08	7/17/08	7/17/08	7/17/08	7/16/08	12/12/08	7/16/08	7/16/08	9/11/08
Lab ID	779474	760325	760327	760329	760170	779475	760172	760331	767364
Matrix	Air	Air	Air	Air	Air	Air	Air	Air	Air
Unit	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3
Analyte									
Carbon Tetrachloride	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethane	0.8 U	0.8 U	2	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,1-Dichloroethene	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethene (cis)	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethene (trans)	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
Tetrachloroethene	1 U	1 U	2	1 U	1 U	1 U	1 U	1 U	1 U
1,1,1-Trichloroethane	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Trichloroethene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Vinyl Chloride	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U

Notes:

U = Not detected above reporting limit

Table 6
Ambient Air Analytical Results
DuPont Pompton Lakes Works - Vapor Intrusion Investigation
Pompton Lakes, Passaic County, New Jersey

Sample ID	POM-A-9103	POM-A-7104	POM-A-8104	POM-A-9104	POM-A-7105	POM-A-8105	POM-A-7106	POM-A-7107	POM-A-7108
Sample Date	12/3/08	7/17/08	12/30/08	3/10/10	7/17/08	8/11/09	3/4/10	2/2/10	7/18/08
Lab ID	778136	760333	780756	822537	760507	803359	821870	819414	760510
Matrix	Air	Air	Air	Air	Air	Air	Air	Air	Air
Unit	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3
Analyte									
Carbon Tetrachloride	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethane	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,1-Dichloroethene	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethene (cis)	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethene (trans)	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
Tetrachloroethene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,1-Trichloroethane	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Trichloroethene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Vinyl Chloride	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U

Notes:

U = Not detected above reporting limit

Table 6
Ambient Air Analytical Results
DuPont Pompton Lakes Works - Vapor Intrusion Investigation
Pompton Lakes, Passaic County, New Jersey

Sample ID	POM-A-8108	POM-A-7109	POM-A-8109	POM-A-7111	POM-A-8111	POM-A-9111	POM-A-7113	POM-A-7116	POM-A-8116
Sample Date	12/4/08	7/18/08	11/19/08	7/18/08	9/29/09	2/11/10	7/22/08	7/22/08	9/10/09
Lab ID	778133	760512	776598	760673	808284	820240	761042	761316	806038
Matrix	Air	Air	Air	Air	Air	Air	Air	Air	Air
Unit	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3
Analyte									
Carbon Tetrachloride	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethane	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,1-Dichloroethene	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethene (cis)	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethene (trans)	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
Tetrachloroethene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,1-Trichloroethane	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Trichloroethene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Vinyl Chloride	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U

Notes:

U = Not detected above reporting limit

Table 6
Ambient Air Analytical Results
DuPont Pompton Lakes Works - Vapor Intrusion Investigation
Pompton Lakes, Passaic County, New Jersey

Sample ID	POM-A-9116	POM-A-8117	POM-A-8118	POM-A-9118	POM-A-7119	POM-A-7120	POM-A-7122	POM-A-7125	POM-A-8126
Sample Date	2/23/10	3/18/10	4/30/09	2/17/10	7/29/09	2/18/10	4/23/09	3/10/10	4/22/09
Lab ID	821078	823254	794326	820618	802441	820756	793589	822533	793461
Matrix	Air	Air	Air	Air	Air	Air	Air	Air	Air
Unit	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3
Analyte									
Carbon Tetrachloride	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethane	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,1-Dichloroethene	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethene (cis)	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethene (trans)	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
Tetrachloroethene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,1-Trichloroethane	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Trichloroethene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2
Vinyl Chloride	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U

Notes:

U = Not detected above reporting limit

Table 6
Ambient Air Analytical Results
DuPont Pompton Lakes Works - Vapor Intrusion Investigation
Pompton Lakes, Passaic County, New Jersey

Sample ID	POM-A-9126	POM-A-7127	POM-A-7128	POM-A-8128	POM-A-7129	POM-A-7131	POM-A-8131	POM-A-8132	POM-A-7133
Sample Date	3/31/10	2/26/09	7/22/08	3/25/10	7/22/08	7/23/08	1/14/09	12/9/08	6/3/09
Lab ID	824831	786395	760814	824033	760816	761318	781763	778797	797505
Matrix	Air	Air	Air	Air	Air	Air	Air	Air	Air
Unit	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3
Analyte									
Carbon Tetrachloride	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethane	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,1-Dichloroethene	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethene (cis)	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethene (trans)	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
Tetrachloroethene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,1-Trichloroethane	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Trichloroethene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Vinyl Chloride	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U

Notes:

U = Not detected above reporting limit

Table 6
Ambient Air Analytical Results
DuPont Pompton Lakes Works - Vapor Intrusion Investigation
Pompton Lakes, Passaic County, New Jersey

Sample ID	POM-A-8133	POM-A-7134	POM-A-7136	POM-A-7138	POM-A-8138	POM-A-7139	POM-A-8139	POM-A-7140	POM-A-8142
Sample Date	3/9/10	8/20/09	12/23/08	7/25/08	2/11/09	7/25/08	3/31/10	7/25/08	10/21/08
Lab ID	822271	804378	780520	761437	784126	761438	824460	761439	772558
Matrix	Air	Air	Air	Air	Air	Air	Air	Air	Air
Unit	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3
Analyte									
Carbon Tetrachloride	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethane	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,1-Dichloroethene	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethene (cis)	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethene (trans)	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
Tetrachloroethene	1 U	1 U	1 U	1 U	2	1 U	1 U	1 U	1 U
1,1,1-Trichloroethane	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Trichloroethene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Vinyl Chloride	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U

Notes:

U = Not detected above reporting limit

Table 6
Ambient Air Analytical Results
DuPont Pompton Lakes Works - Vapor Intrusion Investigation
Pompton Lakes, Passaic County, New Jersey

Sample ID	POM-A-7143	POM-A-7145	POM-A-8145	POM-A-9145	POM-A-7147	POM-A-7148	POM-A-7149	POM-A-8149	POM-A-7150
Sample Date	9/5/08	12/30/08	5/20/09	2/12/10	2/3/10	7/29/08	8/11/09	2/25/10	1/15/09
Lab ID	766903	780754	796099	820241	819611	761692	803358	821327	781761
Matrix	Air	Air	Air	Air	Air	Air	Air	Air	Air
Unit	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3
Analyte									
Carbon Tetrachloride	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethane	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,1-Dichloroethene	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethene (cis)	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethene (trans)	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
Tetrachloroethene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,1-Trichloroethane	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Trichloroethene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Vinyl Chloride	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U

Notes:

U = Not detected above reporting limit

Table 6
Ambient Air Analytical Results
DuPont Pompton Lakes Works - Vapor Intrusion Investigation
Pompton Lakes, Passaic County, New Jersey

Sample ID	POM-A-7153	POM-A-7154	POM-A-8154	POM-A-7156	POM-A-7157	POM-A-8157	POM-A-7158	POM-A-8158	POM-A-7159
Sample Date	7/29/08	7/29/08	3/31/09	2/24/10	7/31/08	3/5/09	7/31/08	2/10/10	9/16/09
Lab ID	761693	761935	791213	821206	761997	787419	761998	820170	806565
Matrix	Air	Air	Air	Air	Air	Air	Air	Air	Air
Unit	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3
Analyte									
Carbon Tetrachloride	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethane	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,1-Dichloroethene	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethene (cis)	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethene (trans)	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
Tetrachloroethene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,1-Trichloroethane	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Trichloroethene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Vinyl Chloride	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U

Notes:

U = Not detected above reporting limit

Table 6
Ambient Air Analytical Results
DuPont Pompton Lakes Works - Vapor Intrusion Investigation
Pompton Lakes, Passaic County, New Jersey

Sample ID	POM-A-8159	POM-A-7160	POM-A-7161	POM-A-7162	POM-A-8162	POM-A-7163	POM-A-7164	POM-A-7165	POM-A-8165
Sample Date	3/4/10	7/30/08	12/9/08	7/30/08	1/20/09	12/10/08	12/11/08	8/26/09	11/12/09
Lab ID	821871	761937	778796	761999	782310	779187	779188	804801	813558
Matrix	Air	Air	Air	Air	Air	Air	Air	Air	Air
Unit	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3
Analyte									
Carbon Tetrachloride	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethane	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,1-Dichloroethene	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethene (cis)	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethene (trans)	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
Tetrachloroethene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,1-Trichloroethane	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Trichloroethene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Vinyl Chloride	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U

Notes:

U = Not detected above reporting limit

Table 6
Ambient Air Analytical Results
DuPont Pompton Lakes Works - Vapor Intrusion Investigation
Pompton Lakes, Passaic County, New Jersey

Sample ID	POM-A-9165	POM-A-8167	POM-A-7168	POM-A-7169	POM-A-8169	POM-A-7170	POM-A-7171	POM-A-7172	POM-A-7174
Sample Date	3/3/10	11/20/08	12/10/08	8/1/08	12/3/08	7/31/08	2/17/10	7/31/08	8/5/08
Lab ID	821775	777172	778938	762292	778134	762000	820757	762001	762581
Matrix	Air	Air	Air	Air	Air	Air	Air	Air	Air
Unit	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3
Analyte									
Carbon Tetrachloride	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethane	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,1-Dichloroethene	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethene (cis)	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethene (trans)	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
Tetrachloroethene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,1-Trichloroethane	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Trichloroethene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Vinyl Chloride	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U

Notes:

U = Not detected above reporting limit

Table 6
Ambient Air Analytical Results
DuPont Pompton Lakes Works - Vapor Intrusion Investigation
Pompton Lakes, Passaic County, New Jersey

Sample ID	POM-A-8174	POM-A-7175	POM-A-8175	POM-A-7176	POM-A-7177	POM-A-8177	POM-A-7178	POM-A-8178	POM-A-7179
Sample Date	3/24/09	4/29/09	1/29/10	8/6/08	8/6/08	1/6/09	8/6/08	2/24/10	1/13/10
Lab ID	789983	794082	819132	762943	762945	781089	762947	821208	817548
Matrix	Air	Air	Air	Air	Air	Air	Air	Air	Air
Unit	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3
Analyte									
Carbon Tetrachloride	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethane	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,1-Dichloroethene	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethene (cis)	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethene (trans)	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
Tetrachloroethene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,1-Trichloroethane	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Trichloroethene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Vinyl Chloride	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U

Notes:

U = Not detected above reporting limit

Table 6
Ambient Air Analytical Results
DuPont Pompton Lakes Works - Vapor Intrusion Investigation
Pompton Lakes, Passaic County, New Jersey

Sample ID	POM-A-7180	POM-A-8180	POM-A-7181	POM-A-7182	POM-A-7183	POM-A-8183	POM-A-7184	POM-A-8184	POM-A-7185
Sample Date	8/7/08	2/20/09	8/7/08	3/13/09	8/7/08	2/4/10	8/8/08	1/14/09	2/6/09
Lab ID	763142	785523	763382	788484	763143	819613	763383	781764	783883
Matrix	Air	Air	Air	Air	Air	Air	Air	Air	Air
Unit	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3
Analyte									
Carbon Tetrachloride	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethane	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,1-Dichloroethene	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethene (cis)	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethene (trans)	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
Tetrachloroethene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,1-Trichloroethane	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Trichloroethene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Vinyl Chloride	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U

Notes:

U = Not detected above reporting limit

Table 6
Ambient Air Analytical Results
DuPont Pompton Lakes Works - Vapor Intrusion Investigation
Pompton Lakes, Passaic County, New Jersey

Sample ID	POM-A-8185	POM-A-7186	POM-A-8186	POM-A-9186	POM-A-7187	POM-A-7188	POM-A-7190	POM-A-7191	POM-A-8191
Sample Date	3/31/10	8/8/08	1/27/09	2/23/10	12/16/08	8/5/08	3/10/10	8/5/08	5/19/09
Lab ID	824461	763384	782717	821076	780047	762582	822534	762583	796101
Matrix	Air	Air	Air	Air	Air	Air	Air	Air	Air
Unit	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3
Analyte									
Carbon Tetrachloride	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethane	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,1-Dichloroethene	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethene (cis)	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethene (trans)	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
Tetrachloroethene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,1-Trichloroethane	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Trichloroethene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Vinyl Chloride	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U

Notes:

U = Not detected above reporting limit

Table 6
Ambient Air Analytical Results
DuPont Pompton Lakes Works - Vapor Intrusion Investigation
Pompton Lakes, Passaic County, New Jersey

Sample ID	POM-A-9191	POM-A-G191	POM-A-7192	POM-A-7193	POM-A-8193	POM-A-7194	POM-A-7195	POM-A-7196	POM-A-8196
Sample Date	12/3/09	3/18/10	3/12/09	8/7/08	1/27/10	3/5/09	8/7/08	8/5/08	6/3/09
Lab ID	815192	823330	788485	763144	818831	787417	763145	762584	797401
Matrix	Air	Air	Air	Air	Air	Air	Air	Air	Air
Unit	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3
Analyte									
Carbon Tetrachloride	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethane	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,1-Dichloroethene	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethene (cis)	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethene (trans)	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
Tetrachloroethene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,1-Trichloroethane	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Trichloroethene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Vinyl Chloride	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U

Notes:

U = Not detected above reporting limit

Table 6
Ambient Air Analytical Results
DuPont Pompton Lakes Works - Vapor Intrusion Investigation
Pompton Lakes, Passaic County, New Jersey

Sample ID	POM-A-9196	POM-A-7198	POM-A-7199	POM-A-8199	POM-A-7200	POM-A-7204	POM-A-8204	POM-A-7205	POM-A-7207
Sample Date	3/23/10	8/5/08	8/7/09	3/19/10	3/17/09	8/12/08	2/5/09	8/12/08	8/12/08
Lab ID	823567	762585	803248	823334	788915	763671	783884	763672	763673
Matrix	Air	Air	Air	Air	Air	Air	Air	Air	Air
Unit	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3
Analyte									
Carbon Tetrachloride	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethane	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,1-Dichloroethene	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethene (cis)	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethene (trans)	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
Tetrachloroethene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,1-Trichloroethane	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Trichloroethene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Vinyl Chloride	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U

Notes:

U = Not detected above reporting limit

Table 6
Ambient Air Analytical Results
DuPont Pompton Lakes Works - Vapor Intrusion Investigation
Pompton Lakes, Passaic County, New Jersey

Sample ID	POM-A-7212	POM-A-8212	POM-A-7214	POM-A-8214	POM-A-7215	POM-A-7216	POM-A-7218	POM-A-7219	POM-A-8219
Sample Date	8/14/08	3/3/10	8/14/08	6/3/09	2/25/09	8/14/08	8/13/08	8/13/08	3/16/10
Lab ID	764037	821774	764038	797402	786056	764543	763857	763858	823093
Matrix	Air	Air	Air	Air	Air	Air	Air	Air	Air
Unit	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3
Analyte									
Carbon Tetrachloride	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethane	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,1-Dichloroethene	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethene (cis)	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethene (trans)	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
Tetrachloroethene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,1-Trichloroethane	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Trichloroethene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Vinyl Chloride	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U

Notes:

U = Not detected above reporting limit

Table 6
Ambient Air Analytical Results
DuPont Pompton Lakes Works - Vapor Intrusion Investigation
Pompton Lakes, Passaic County, New Jersey

Sample ID	POM-A-8222	POM-A-7224	POM-A-8224	POM-A-7226	POM-A-7227	POM-A-8227	POM-A-7228	POM-A-8228	POM-A-7229
Sample Date	12/4/08	4/23/09	3/16/10	8/15/08	8/15/08	1/26/10	8/15/08	12/16/08	3/25/10
Lab ID	778135	793590	823094	764344	764544	818755	764345	779755	824032
Matrix	Air	Air	Air	Air	Air	Air	Air	Air	Air
Unit	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3
Analyte									
Carbon Tetrachloride	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethane	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,1-Dichloroethene	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethene (cis)	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethene (trans)	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
Tetrachloroethene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,1-Trichloroethane	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Trichloroethene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Vinyl Chloride	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U

Notes:

U = Not detected above reporting limit

Table 6
Ambient Air Analytical Results
DuPont Pompton Lakes Works - Vapor Intrusion Investigation
Pompton Lakes, Passaic County, New Jersey

Sample ID	POM-A-7230	POM-A-7231	POM-A-7232	POM-A-8232	POM-A-7233	POM-A-7234	POM-A-7235	POM-A-7236	POM-A-7237
Sample Date	1/27/09	12/10/08	4/29/09	3/10/10	1/13/10	2/16/10	8/21/08	8/21/08	8/19/08
Lab ID	782715	778939	794078	822535	817550	820516	765070	765073	764776
Matrix	Air	Air	Air	Air	Air	Air	Air	Air	Air
Unit	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3
Analyte									
Carbon Tetrachloride	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethane	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,1-Dichloroethene	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethene (cis)	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethene (trans)	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
Tetrachloroethene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,1-Trichloroethane	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Trichloroethene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Vinyl Chloride	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U

Notes:

U = Not detected above reporting limit

Table 6
Ambient Air Analytical Results
DuPont Pompton Lakes Works - Vapor Intrusion Investigation
Pompton Lakes, Passaic County, New Jersey

Sample ID	POM-A-7238	POM-A-7239	POM-A-7240	POM-A-8240	POM-A-9240	POM-A-7243	POM-A-7244	POM-A-8244	POM-A-9244
Sample Date	8/19/08	8/19/08	7/30/09	1/14/10	3/23/10	8/21/08	8/21/08	4/16/09	12/1/09
Lab ID	764777	764778	802442	817924	823702	765075	765076	792976	814858
Matrix	Air	Air	Air	Air	Air	Air	Air	Air	Air
Unit	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3
Analyte									
Carbon Tetrachloride	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethane	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,1-Dichloroethene	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethene (cis)	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethene (trans)	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
Tetrachloroethene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,1-Trichloroethane	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Trichloroethene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Vinyl Chloride	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U

Notes:

U = Not detected above reporting limit

Table 6
Ambient Air Analytical Results
DuPont Pompton Lakes Works - Vapor Intrusion Investigation
Pompton Lakes, Passaic County, New Jersey

Sample ID	POM-A-7245	POM-A-7249	POM-A-8249	POM-A-7250	POM-A-7251	POM-A-8251	POM-A-7254	POM-A-7256	POM-A-7258
Sample Date	9/16/09	8/21/08	2/25/10	8/20/08	9/25/08	2/3/10	8/26/08	8/28/08	8/28/08
Lab ID	806566	765084	821440	765071	769354	819614	765649	766058	766059
Matrix	Air	Air	Air	Air	Air	Air	Air	Air	Air
Unit	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3
Analyte									
Carbon Tetrachloride	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethane	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,1-Dichloroethene	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethene (cis)	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethene (trans)	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
Tetrachloroethene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,1-Trichloroethane	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Trichloroethene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Vinyl Chloride	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U

Notes:

U = Not detected above reporting limit

Table 6
Ambient Air Analytical Results
DuPont Pompton Lakes Works - Vapor Intrusion Investigation
Pompton Lakes, Passaic County, New Jersey

Sample ID	POM-A-7260	POM-A-7261	POM-A-8261	POM-A-7262	POM-A-7265	POM-A-7267	POM-A-7269	POM-A-8269	POM-A-7270
Sample Date	8/28/08	8/5/09	1/26/10	2/23/10	1/27/09	12/16/09	8/26/08	10/23/08	4/21/09
Lab ID	766060	802840	818756	821074	782716	816309	766061	773234	793127
Matrix	Air	Air	Air	Air	Air	Air	Air	Air	Air
Unit	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3
Analyte									
Carbon Tetrachloride	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethane	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,1-Dichloroethene	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethene (cis)	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethene (trans)	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
Tetrachloroethene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,1-Trichloroethane	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Trichloroethene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Vinyl Chloride	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U

Notes:

U = Not detected above reporting limit

Table 6
Ambient Air Analytical Results
DuPont Pompton Lakes Works - Vapor Intrusion Investigation
Pompton Lakes, Passaic County, New Jersey

Sample ID	POM-A-8270	POM-A-7271	POM-A-8272	POM-A-7273	POM-A-7274	POM-A-9274	POM-A-7276	POM-A-7279	POM-A-7280
Sample Date	4/1/10	3/4/09	2/17/09	8/27/08	8/27/08	2/10/10	1/13/10	1/5/10	9/4/08
Lab ID	824830	787418	785003	765751	765752	820171	817554	816840	766731
Matrix	Air	Air	Air	Air	Air	Air	Air	Air	Air
Unit	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3
Analyte									
Carbon Tetrachloride	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethane	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,1-Dichloroethene	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethene (cis)	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethene (trans)	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
Tetrachloroethene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,1-Trichloroethane	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Trichloroethene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Vinyl Chloride	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U

Notes:

U = Not detected above reporting limit

Table 6
Ambient Air Analytical Results
DuPont Pompton Lakes Works - Vapor Intrusion Investigation
Pompton Lakes, Passaic County, New Jersey

Sample ID	POM-A-8280	POM-A-7281	POM-A-7282	POM-A-7284	POM-A-8284	POM-A-7286	POM-A-7287	POM-A-7288	POM-A-7289
Sample Date	1/21/09	3/9/10	9/5/08	9/12/08	3/17/09	9/4/08	1/19/10	9/9/08	9/9/08
Lab ID	782312	822270	766904	767560	788916	766732	818104	767135	767136
Matrix	Air	Air	Air	Air	Air	Air	Air	Air	Air
Unit	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3
Analyte									
Carbon Tetrachloride	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethane	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,1-Dichloroethene	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethene (cis)	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethene (trans)	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
Tetrachloroethene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,1-Trichloroethane	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Trichloroethene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Vinyl Chloride	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U

Notes:

U = Not detected above reporting limit

Table 6
Ambient Air Analytical Results
DuPont Pompton Lakes Works - Vapor Intrusion Investigation
Pompton Lakes, Passaic County, New Jersey

Sample ID	POM-A-7291	POM-A-8291	POM-A-7292	POM-A-8292	POM-A-7294	POM-A-8294	POM-A-7295	POM-A-7297	POM-A-7298
Sample Date	4/7/09	3/2/10	9/9/08	1/27/10	9/9/08	1/19/10	2/9/10	9/11/08	9/11/08
Lab ID	792225	821654	767137	818833	767138	818106	820115	767355	767357
Matrix	Air	Air	Air	Air	Air	Air	Air	Air	Air
Unit	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3
Analyte									
Carbon Tetrachloride	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethane	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,1-Dichloroethene	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethene (cis)	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethene (trans)	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
Tetrachloroethene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,1-Trichloroethane	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Trichloroethene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Vinyl Chloride	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U

Notes:

U = Not detected above reporting limit

Table 6
Ambient Air Analytical Results
DuPont Pompton Lakes Works - Vapor Intrusion Investigation
Pompton Lakes, Passaic County, New Jersey

Sample ID	POM-A-7299	POM-A-8299	POM-A-7301	POM-A-7304	POM-A-7305	POM-A-7306	POM-A-7307	POM-A-8307	POM-A-7309
Sample Date	9/10/08	8/11/09	9/10/08	9/17/08	1/28/10	9/16/08	1/21/10	3/24/10	9/18/08
Lab ID	767350	803444	767358	768123	818996	767842	818564	823701	768543
Matrix	Air	Air	Air	Air	Air	Air	Air	Air	Air
Unit	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3
Analyte									
Carbon Tetrachloride	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethane	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,1-Dichloroethene	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethene (cis)	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	2
1,2-Dichloroethene (trans)	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
Tetrachloroethene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,1-Trichloroethane	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Trichloroethene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Vinyl Chloride	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U

Notes:

U = Not detected above reporting limit

Table 6
Ambient Air Analytical Results
DuPont Pompton Lakes Works - Vapor Intrusion Investigation
Pompton Lakes, Passaic County, New Jersey

Sample ID	POM-A-8309	POM-A-7310	POM-A-7311	POM-A-7312	POM-A-7313	POM-A-7315	POM-A-8315	POM-A-7316	POM-A-7317
Sample Date	8/25/09	9/16/08	2/27/09	9/17/08	9/23/08	9/18/08	1/9/09	4/28/10	9/23/08
Lab ID	804802	767843	786761	768124	768945	768540	781413	828314	768946
Matrix	Air	Air	Air	Air	Air	Air	Air	Air	Air
Unit	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3
Analyte									
Carbon Tetrachloride	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethane	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,1-Dichloroethene	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethene (cis)	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethene (trans)	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
Tetrachloroethene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,1-Trichloroethane	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Trichloroethene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Vinyl Chloride	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U

Notes:

U = Not detected above reporting limit

Table 6
Ambient Air Analytical Results
DuPont Pompton Lakes Works - Vapor Intrusion Investigation
Pompton Lakes, Passaic County, New Jersey

Analyte	Sample ID	Sample Date	Lab ID	Matrix	Unit
Carbon Tetrachloride	POM-A-7318	9/24/08	769085	Air	ug/m^3
	1 U				
1,1-Dichloroethane	POM-A-7319	9/26/08	769693	Air	ug/m^3
	1 U				
1,2-Dichloroethane	POM-A-8319	3/24/09	789984	Air	ug/m^3
	1 U				
1,1-Dichloroethene	POM-A-7321	9/25/08	769355	Air	ug/m^3
	1 U				
1,2-Dichloroethene (cis)	POM-A-7322	9/25/08	769696	Air	ug/m^3
	1 U				
1,2-Dichloroethene (trans)	POM-A-8322	2/4/10	819900	Air	ug/m^3
	1 U				
Tetrachloroethene	POM-A-7323	9/30/08	770043	Air	ug/m^3
	1 U				
1,1,1-Trichloroethane	POM-A-7324	9/30/08	770044	Air	ug/m^3
	1 U				
Trichloroethene	POM-A-8324	2/16/10	820518	Air	ug/m^3
	1 U				
Vinyl Chloride	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U

Notes:

U = Not detected above reporting limit

Table 6
Ambient Air Analytical Results
DuPont Pompton Lakes Works - Vapor Intrusion Investigation
Pompton Lakes, Passaic County, New Jersey

Sample ID	POM-A-7325	POM-A-7326	POM-A-7327	POM-A-8327	POM-A-7328	POM-A-8328	POM-A-7329	POM-A-7331	POM-A-8331
Sample Date	9/30/08	7/31/09	10/2/08	3/25/10	10/7/08	12/1/09	10/2/08	10/8/08	8/13/09
Lab ID	770045	802557	770589	824034	770971	814857	770591	770972	803675
Matrix	Air	Air	Air	Air	Air	Air	Air	Air	Air
Unit	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3
Analyte									
Carbon Tetrachloride	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethane	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,1-Dichloroethene	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethene (cis)	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethene (trans)	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
Tetrachloroethene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,1-Trichloroethane	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Trichloroethene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Vinyl Chloride	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U

Notes:

U = Not detected above reporting limit

Table 6
Ambient Air Analytical Results
DuPont Pompton Lakes Works - Vapor Intrusion Investigation
Pompton Lakes, Passaic County, New Jersey

Sample ID	POM-A-7332	POM-A-7334	POM-A-7335	POM-A-8335	POM-A-G335	POM-A-7336	POM-A-7337	POM-A-7338	POM-A-7339
Sample Date	10/9/08	1/8/09	11/19/08	9/30/09	1/20/10	10/15/08	12/3/08	10/17/08	10/16/08
Lab ID	771448	781226	777171	808687	818333	771834	778132	772186	772187
Matrix	Air	Air	Air	Air	Air	Air	Air	Air	Air
Unit	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3
Analyte									
Carbon Tetrachloride	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethane	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,1-Dichloroethene	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethene (cis)	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethene (trans)	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
Tetrachloroethene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,1-Trichloroethane	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Trichloroethene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Vinyl Chloride	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U

Notes:

U = Not detected above reporting limit

Table 6
Ambient Air Analytical Results
DuPont Pompton Lakes Works - Vapor Intrusion Investigation
Pompton Lakes, Passaic County, New Jersey

Sample ID	POM-A-7342	POM-A-7345	POM-A-7346	POM-A-7347	POM-A-8347	POM-A-7348	POM-A-7349	POM-A-7350	POM-A-8350
Sample Date	10/21/08	10/22/08	10/29/08	10/30/08	3/23/10	10/30/08	10/30/08	11/5/08	8/19/09
Lab ID	772557	772847	773676	773812	823566	773813	773814	774505	804380
Matrix	Air	Air	Air	Air	Air	Air	Air	Air	Air
Unit	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3
Analyte									
Carbon Tetrachloride	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethane	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,1-Dichloroethene	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethene (cis)	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethene (trans)	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
Tetrachloroethene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,1-Trichloroethane	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Trichloroethene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Vinyl Chloride	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U

Notes:

U = Not detected above reporting limit

Table 6
Ambient Air Analytical Results
DuPont Pompton Lakes Works - Vapor Intrusion Investigation
Pompton Lakes, Passaic County, New Jersey

Sample ID	POM-A-7351	POM-A-8351	POM-A-7352	POM-A-8352	POM-A-7353	POM-A-7354	POM-A-8354	POM-A-7355	POM-A-7356
Sample Date	11/5/08	4/20/10	11/6/08	2/17/10	11/7/08	11/11/08	3/10/10	11/12/08	11/25/08
Lab ID	774506	827368	775451	820760	775452	775717	822536	775718	777569
Matrix	Air	Air	Air	Air	Air	Air	Air	Air	Air
Unit	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3
Analyte									
Carbon Tetrachloride	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethane	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,1-Dichloroethene	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethene (cis)	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethene (trans)	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
Tetrachloroethene	1 U	1 U	1 U	1 U	7	1 U	1 U	1 U	1 U
1,1,1-Trichloroethane	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Trichloroethene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Vinyl Chloride	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U

Notes:

U = Not detected above reporting limit

Table 6
Ambient Air Analytical Results
DuPont Pompton Lakes Works - Vapor Intrusion Investigation
Pompton Lakes, Passaic County, New Jersey

Sample ID	POM-A-7358	POM-A-8358	POM-A-9358	POM-A-7359	POM-A-7361	POM-A-8361	POM-A-9361	POM-A-7362	POM-A-7364
Sample Date	12/2/08	9/2/09	2/11/10	12/16/08	1/8/09	8/6/09	3/31/10	1/8/09	1/23/09
Lab ID	777878	805512	820172	779754	781227	803249	824832	781410	782532
Matrix	Air	Air	Air	Air	Air	Air	Air	Air	Air
Unit	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3
Analyte									
Carbon Tetrachloride	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethane	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,1-Dichloroethene	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethene (cis)	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethene (trans)	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
Tetrachloroethene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,1-Trichloroethane	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Trichloroethene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Vinyl Chloride	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U

Notes:

U = Not detected above reporting limit

Table 6
Ambient Air Analytical Results
DuPont Pompton Lakes Works - Vapor Intrusion Investigation
Pompton Lakes, Passaic County, New Jersey

Sample ID	POM-A-8364	POM-A-7366	POM-A-7367	POM-A-8367	POM-A-7368	POM-A-7369	POM-A-7370	POM-A-7371	POM-A-8371
Sample Date	3/30/10	1/29/09	2/5/09	1/27/10	2/11/09	2/12/09	3/3/09	3/24/09	8/18/09
Lab ID	824398	782974	783636	819002	784125	784479	787416	789982	804233
Matrix	Air	Air	Air	Air	Air	Air	Air	Air	Air
Unit	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3
Analyte									
Carbon Tetrachloride	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethane	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,1-Dichloroethene	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethene (cis)	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethene (trans)	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
Tetrachloroethene	1 U	1 U	1 U	1 U	1	1 U	1 U	1 U	1 U
1,1,1-Trichloroethane	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Trichloroethene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Vinyl Chloride	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U

Notes:

U = Not detected above reporting limit

Table 6
Ambient Air Analytical Results
DuPont Pompton Lakes Works - Vapor Intrusion Investigation
Pompton Lakes, Passaic County, New Jersey

Sample ID	POM-A-7373	POM-A-7374	POM-A-7375	POM-A-8375	POM-A-9375	POM-A-7376	POM-A-7377	POM-A-8377	POM-A-7378
Sample Date	4/1/09	4/1/10	4/9/09	8/27/09	1/20/10	11/24/09	4/23/09	8/20/09	4/30/09
Lab ID	791212	824829	792470	804961	818331	814631	793459	804381	794325
Matrix	Air	Air	Air	Air	Air	Air	Air	Air	Air
Unit	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3
Analyte									
Carbon Tetrachloride	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethane	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,1-Dichloroethene	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethene (cis)	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethene (trans)	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
Tetrachloroethene	1 U	1 U	1 U	1 U	1	1 U	1 U	1 U	1 U
1,1,1-Trichloroethane	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Trichloroethene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	3
Vinyl Chloride	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U

Notes:

U = Not detected above reporting limit

Table 6
Ambient Air Analytical Results
DuPont Pompton Lakes Works - Vapor Intrusion Investigation
Pompton Lakes, Passaic County, New Jersey

Sample ID	POM-A-7379	POM-A-7380	POM-A-7383	POM-A-8383	POM-A-7384	POM-A-7385	POM-A-8385	POM-A-7386	POM-A-7387
Sample Date	5/13/09	5/27/09	6/24/09	1/5/10	7/2/09	7/9/09	1/22/10	8/4/09	8/12/09
Lab ID	795439	796768	799527	816841	799958	800324	818566	802838	803673
Matrix	Air	Air	Air	Air	Air	Air	Air	Air	Air
Unit	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3
Analyte									
Carbon Tetrachloride	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethane	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,1-Dichloroethene	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethene (cis)	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethene (trans)	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
Tetrachloroethene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,1-Trichloroethane	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Trichloroethene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Vinyl Chloride	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U

Notes:

U = Not detected above reporting limit

Table 6
Ambient Air Analytical Results
DuPont Pompton Lakes Works - Vapor Intrusion Investigation
Pompton Lakes, Passaic County, New Jersey

Sample ID	POM-A-7389	POM-A-7391	POM-A-7392	POM-A-8392	POM-A-7394	POM-A-7395	POM-A-7396	POM-A-7397	POM-A-7398
Sample Date	8/18/09	8/21/09	9/3/09	3/2/10	9/22/09	9/23/09	9/24/09	1/13/10	12/8/09
Lab ID	804232	804467	805699	821655	807774	807465	807775	817545	815387
Matrix	Air	Air	Air	Air	Air	Air	Air	Air	Air
Unit	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3
Analyte									
Carbon Tetrachloride	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethane	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,1-Dichloroethene	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethene (cis)	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethene (trans)	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	1	0.8 U	0.8 U
Tetrachloroethene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,1-Trichloroethane	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Trichloroethene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Vinyl Chloride	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U

Notes:

U = Not detected above reporting limit

Table 6
Ambient Air Analytical Results
DuPont Pompton Lakes Works - Vapor Intrusion Investigation
Pompton Lakes, Passaic County, New Jersey

Sample ID	POM-A-7401	POM-A-7402	POM-A-7404	POM-A-7408
Sample Date	1/6/10	1/19/10	2/9/10	3/17/10
Lab ID	816961	818102	820116	823100
Matrix	Air	Air	Air	Air
Unit	ug/m^3	ug/m^3	ug/m^3	ug/m^3
Analyte				
Carbon Tetrachloride	1 U	1 U	1 U	1 U
1,1-Dichloroethane	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethane	0.8 U	0.8 U	0.8 U	0.8 U
1,1-Dichloroethene	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethene (cis)	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloroethene (trans)	0.8 U	0.8 U	0.8 U	0.8 U
Tetrachloroethene	1 U	1 U	1 U	1 U
1,1,1-Trichloroethane	1 U	1 U	1 U	1 U
Trichloroethene	1 U	1 U	1 U	1 U
Vinyl Chloride	0.5 U	0.5 U	0.5 U	0.5 U

Notes:

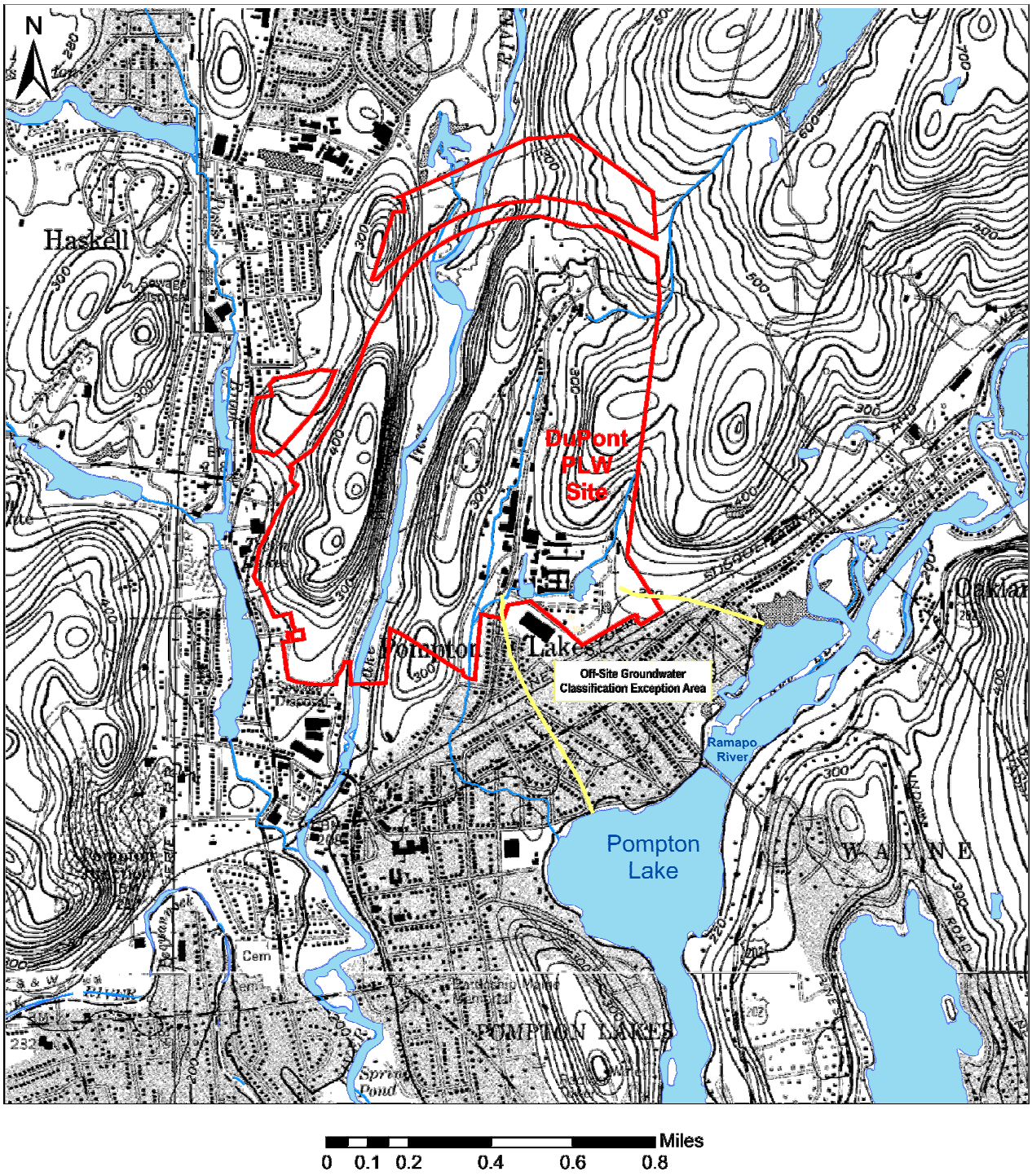
U = Not detected above reporting limit

Table 7
Screening/Comparison Levels
DuPont Pompton Lakes Works - Vapor Intrusion Investigation
Pompton Lakes, Passaic County, New Jersey

Analyte	Vapor Intrusion Ground Water Screening Level ug/L	Site-Specific Sub-Slab Soil Gas Comparison Level ug/m^3	Site-Specific Indoor Air Comparison Level ug/m^3
Carbon Tetrachloride	1	13	1
1,1-Dichloroethane	3,600	5,000	510
1,2-Dichloroethane	2	8	0.8
1,1-Dichloroethene	250	2,000	220
1,2-Dichloroethene (cis)	350	350	36
1,2-Dichloroethene (trans)	300	700	73
Tetrachloroethene	1	16	1
1,1,1-Trichloroethane	2,300	22,000	1,000
Trichloroethene	1	11	1
Vinyl Chloride	1	5	0.5

FIGURES

FIGURE 1



— PROPERTY BOUNDARY

BASE MAP: USGS WANAQUE, NJ, 1995

DUPONT POMPTON LAKES WORKS
POMPTON LAKES, NEW JERSEY
VAPOR INTRUSION PROGRAM

SITE LOCATION MAP

JUNE 2010

O'BRIEN & GERE

Dec 10, 2010 - 8:59am

BARBARA DRIVE
BARRETT PL.
HOWARD ST.
POPLAR ST.
MAPLE ST.
WALNUT ST.
DU PONT PL.
CIRCLE AVENUE
231 Cypress Court Gardens
SCHUYLER AVENUE
JEFFERSON AVENUE
PERRIN AVENUE
DURHAM ST.
COLFAX AVE.
LAKE AVENUE
WHITEWAY
PARK PL.
HARDING AVENUE
COLFAX AVENUE
ORCHARD ST.
GRANT AVENUE
BEAM STREET
BROADWAY
MANDEVILLE ST.
CEDAR ST.
FARVIEW
VAN AVENUE
LAMBERT ST.
LAKESIDE AVENUE
CHALFEN COURT
N ST.

POMPTON LAKE

1"=150' 150 0 150 300

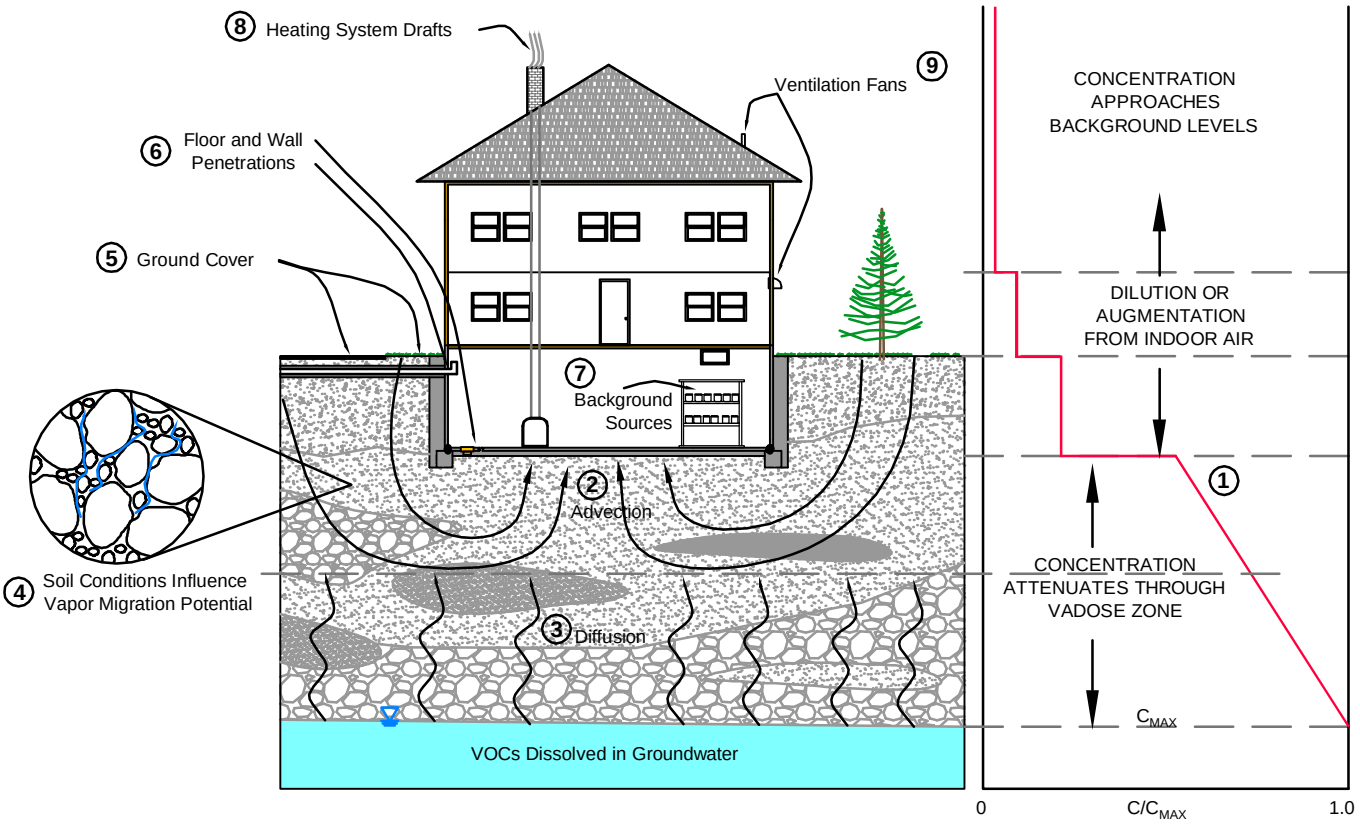
LEGEND

- PROPERTY BOUNDARY
- INITIAL EIA/VMA BOUNDARY (BASED ON 1 ug/L COMBINED PCE/TCE GROUNDWATER CONTOUR BOUNDARY)
- CEA #4 BOUNDARY
- WELL ID — MONITORING WELL
- WELL ID — TEMPORARY WELL LOCATION
- POTENTIAL VAPOR MITIGATION AREA PROPERTY
- EXPANDED INVESTIGATION AREA PROPERTY

FIGURE 2
VAPOR INTRUSION INVESTIGATION AREA
DECEMBER 1, 2010

DUPONT POMPTON LAKES WORKS
Pompton Lakes, New Jersey

Z:\10 - Drawings\Map Figures\Figure 2 Vapor Intrusion Investigation Area.dwg



Notes:

This figure presents a generic conceptual model diagram developed by Sanborn Head to depict some of the primary factors influencing vapor intrusion potential, some of which might be ascertained through building surveys conducted at the time of sampling. The graph at the right hand side of the figure (1) depicts a hypothetical concentration profile that demonstrates a concentration gradient between the groundwater surface and the structure. This is a key part of a multiple lines of evidence approach in vapor intrusion investigations related to subsurface transport by advection (bulk gas flow) driven by pressure gradients (2) and diffusion driven by concentration gradients (3), the two primary mechanisms for subsurface transport. Both of these mechanisms are highly sensitive to the proportion of subsurface volume filled with gas (4), which varies temporally and spatially with differing soil texture and precipitation. The presence of impermeable ground cover (5), such as pavement, can limit infiltration of precipitation and cap and deflect vapor transport, increasing potential for entry into building space through open penetrations of the building foundation (6). Indoor storage and use of VOC-containing consumer products (7), as well as building ventilation conditions including heating system drafts (8) and/or other forced ventilation (9) that can create pressure gradients to drive bulk gas flow from the subsurface into the structure are influencing factors that are commonly documented through building surveys.

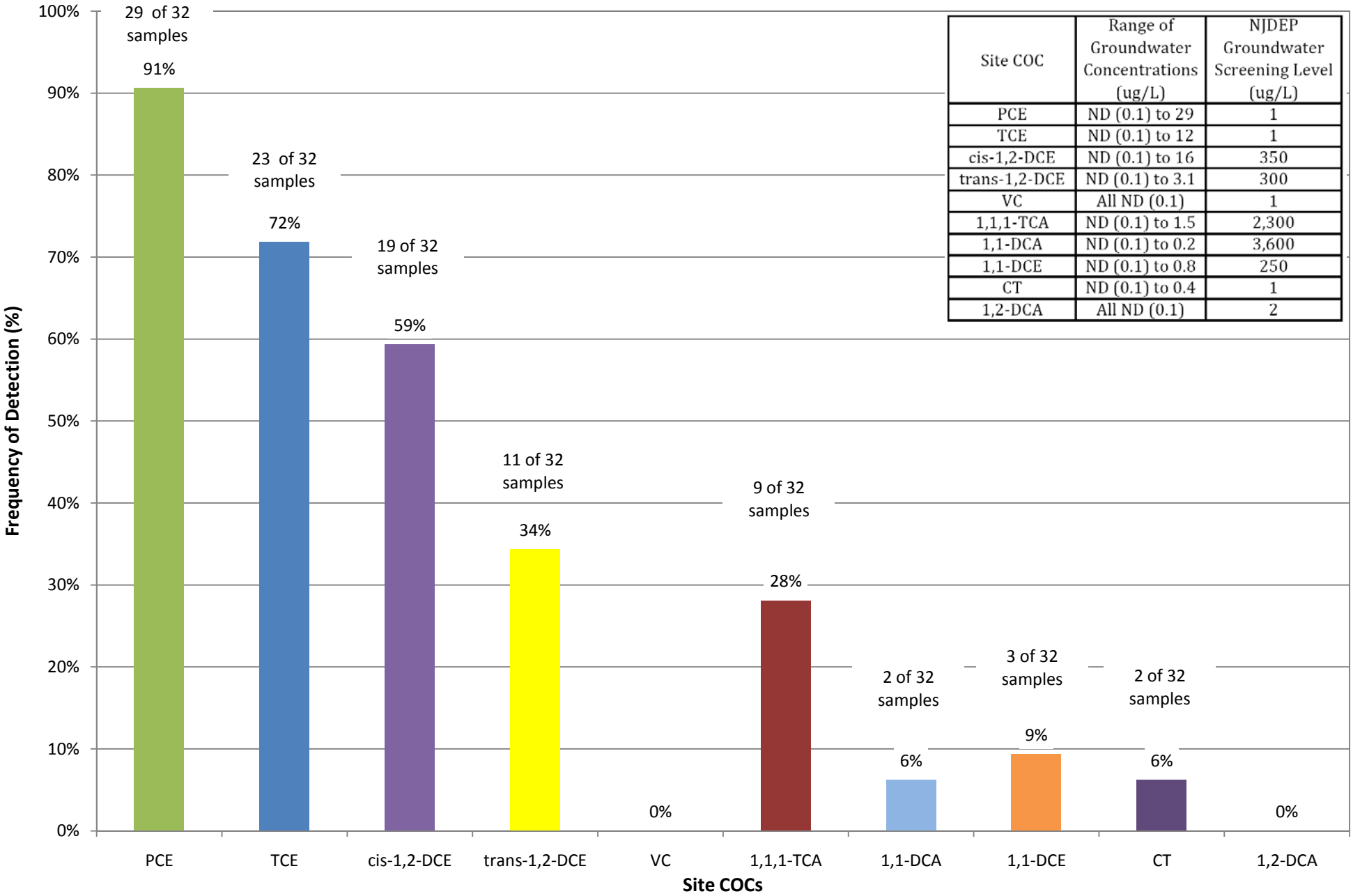
SHA
IMPROVING EARTH

VAPOR INTRUSION RI REPORT
VAPOR INTRUSION CONCEPTS

Not to Scale	DRAWN BY: EMB	FILE NO. 3143
DATE: June 2010	CHECKED BY: BSC	FIGURE NO. 3

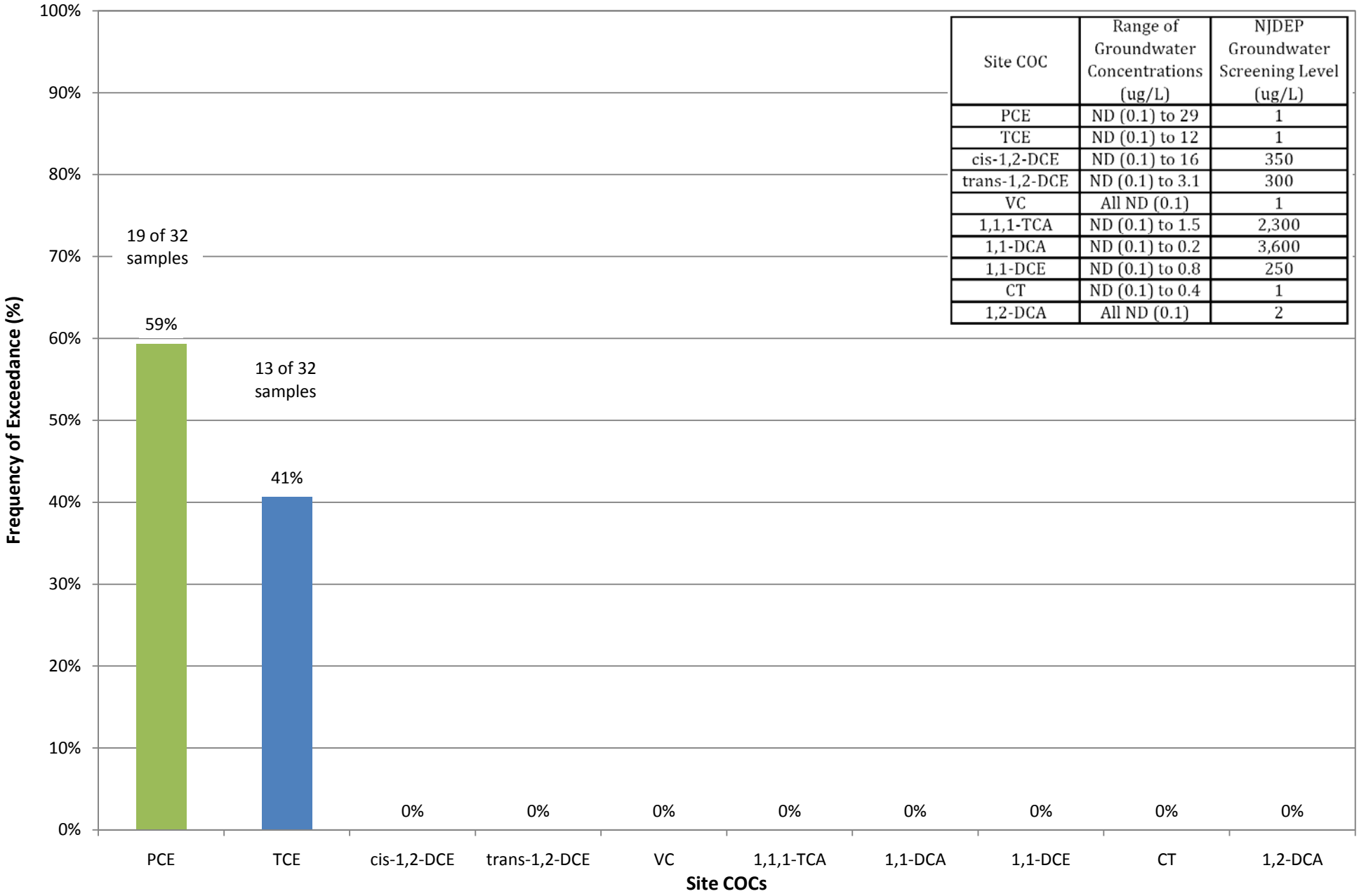
FILE: E:\PORTLAND\3143\dwg\20100625_VI Concepts.dwg
LAYOUT: Layout1-Black Logo
CTB FILE: SHA Standard.ctb
PLOT DATE: 6-30-10

Figure 4
Frequency of Detection in Shallow Groundwater Samples



Site COC	Range of Groundwater Concentrations (ug/L)	NJDEP Groundwater Screening Level (ug/L)
PCE	ND (0.1) to 29	1
TCE	ND (0.1) to 12	1
cis-1,2-DCE	ND (0.1) to 16	350
trans-1,2-DCE	ND (0.1) to 3.1	300
VC	All ND (0.1)	1
1,1,1-TCA	ND (0.1) to 1.5	2,300
1,1-DCA	ND (0.1) to 0.2	3,600
1,1-DCE	ND (0.1) to 0.8	250
CT	ND (0.1) to 0.4	1
1,2-DCA	All ND (0.1)	2

Figure 5
Exceedances of Shallow Groundwater Screening Levels



Site COC	Range of Groundwater Concentrations (ug/L)	NJDEP Groundwater Screening Level (ug/L)
PCE	ND (0.1) to 29	1
TCE	ND (0.1) to 12	1
cis-1,2-DCE	ND (0.1) to 16	350
trans-1,2-DCE	ND (0.1) to 3.1	300
VC	All ND (0.1)	1
1,1,1-TCA	ND (0.1) to 1.5	2,300
1,1-DCA	ND (0.1) to 0.2	3,600
1,1-DCE	ND (0.1) to 0.8	250
CT	ND (0.1) to 0.4	1
1,2-DCA	All ND (0.1)	2

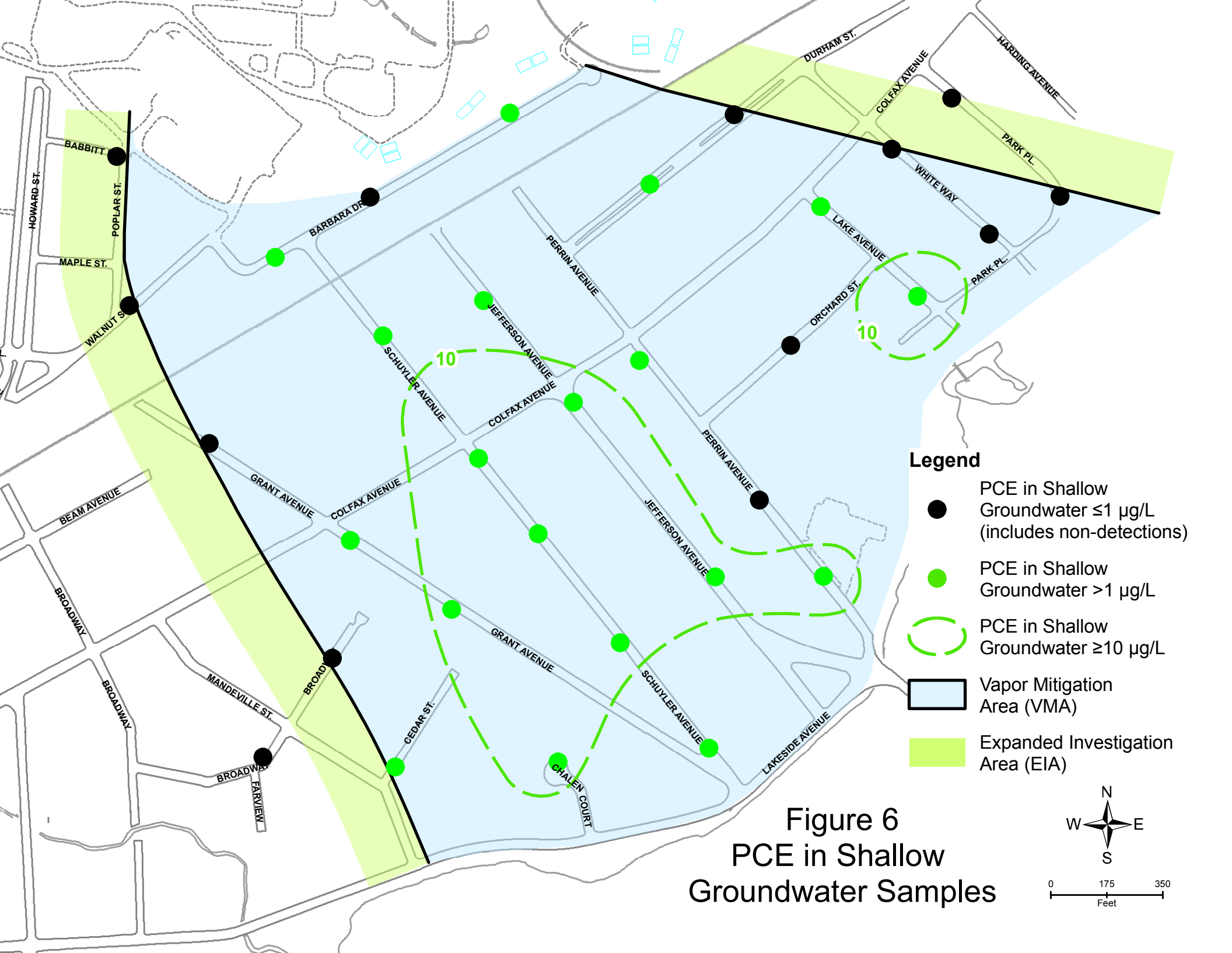


Figure 6
PCE in Shallow Groundwater Samples

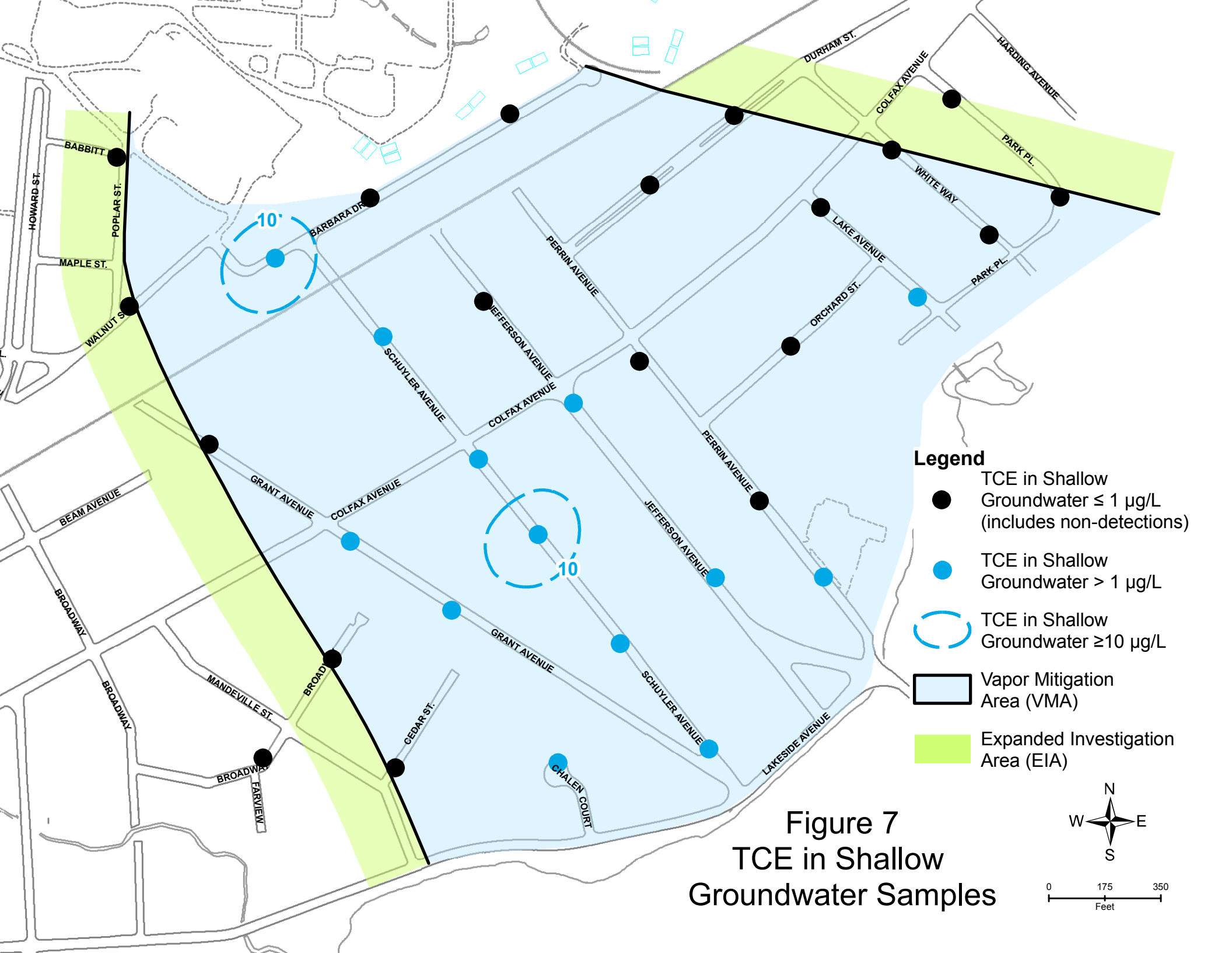
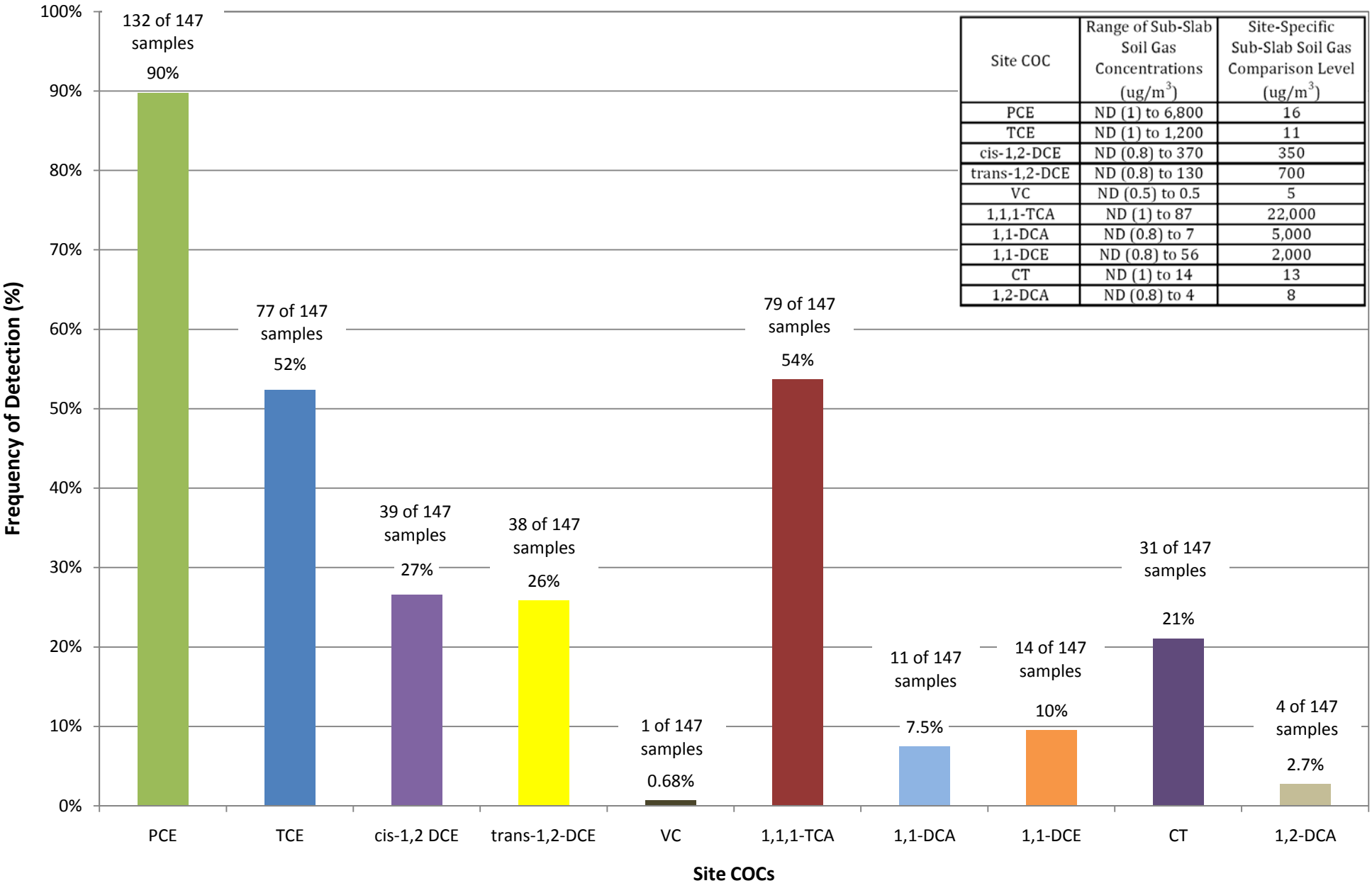


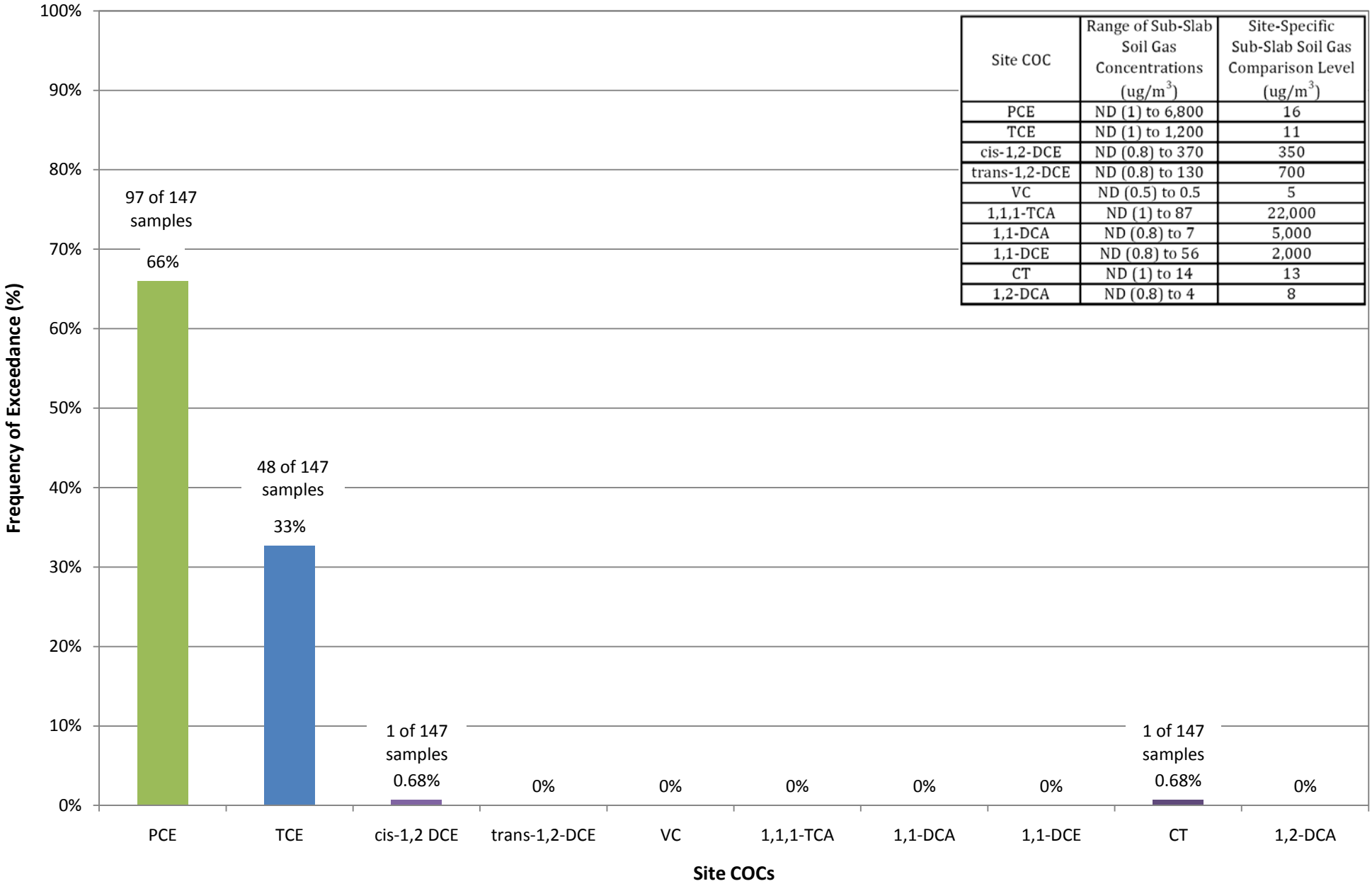
Figure 7
TCE in Shallow Groundwater Samples

Figure 8
Frequency of Detection in Sub-Slab Soil Gas Samples



Site COC	Range of Sub-Slab Soil Gas Concentrations (ug/m^3)	Site-Specific Sub-Slab Soil Gas Comparison Level (ug/m^3)
PCE	ND (1) to 6,800	16
TCE	ND (1) to 1,200	11
cis-1,2-DCE	ND (0.8) to 370	350
trans-1,2-DCE	ND (0.8) to 130	700
VC	ND (0.5) to 0.5	5
1,1,1-TCA	ND (1) to 87	22,000
1,1-DCA	ND (0.8) to 7	5,000
1,1-DCE	ND (0.8) to 56	2,000
CT	ND (1) to 14	13
1,2-DCA	ND (0.8) to 4	8

Figure 9
Exceedances of Sub-Slab Soil Gas Comparison Levels



Site COC	Range of Sub-Slab Soil Gas Concentrations (ug/m^3)	Site-Specific Sub-Slab Soil Gas Comparison Level (ug/m^3)
PCE	ND (1) to 6,800	16
TCE	ND (1) to 1,200	11
cis-1,2-DCE	ND (0.8) to 370	350
trans-1,2-DCE	ND (0.8) to 130	700
VC	ND (0.5) to 0.5	5
1,1,1-TCA	ND (1) to 87	22,000
1,1-DCA	ND (0.8) to 7	5,000
1,1-DCE	ND (0.8) to 56	2,000
CT	ND (1) to 14	13
1,2-DCA	ND (0.8) to 4	8

Figure 10
PCE in Sub-Slab Soil Gas Samples

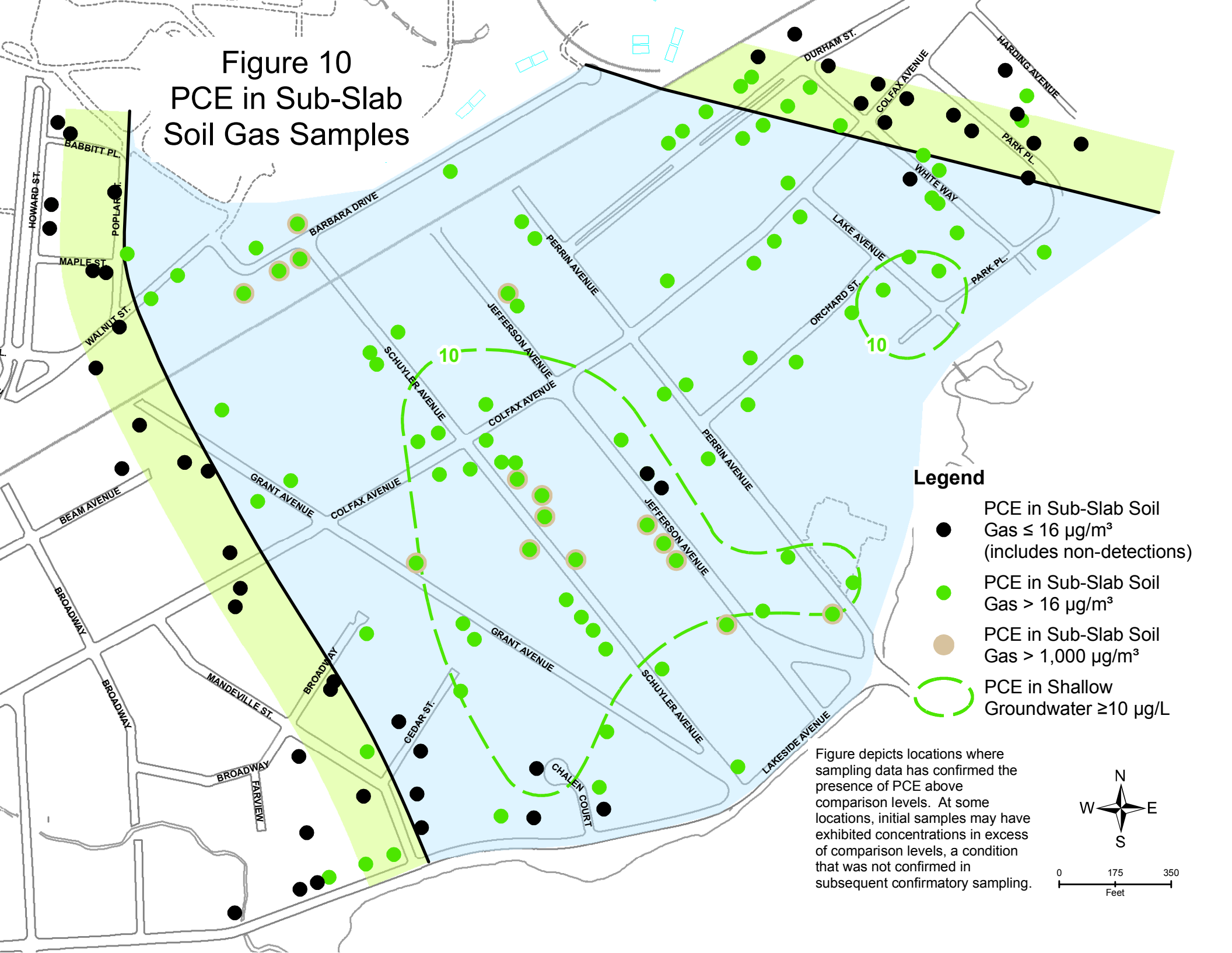


Figure depicts locations where sampling data has confirmed the presence of PCE above comparison levels. At some locations, initial samples may have exhibited concentrations in excess of comparison levels, a condition that was not confirmed in subsequent confirmatory sampling.

Figure 11
TCE in Sub-Slab Soil Gas Samples

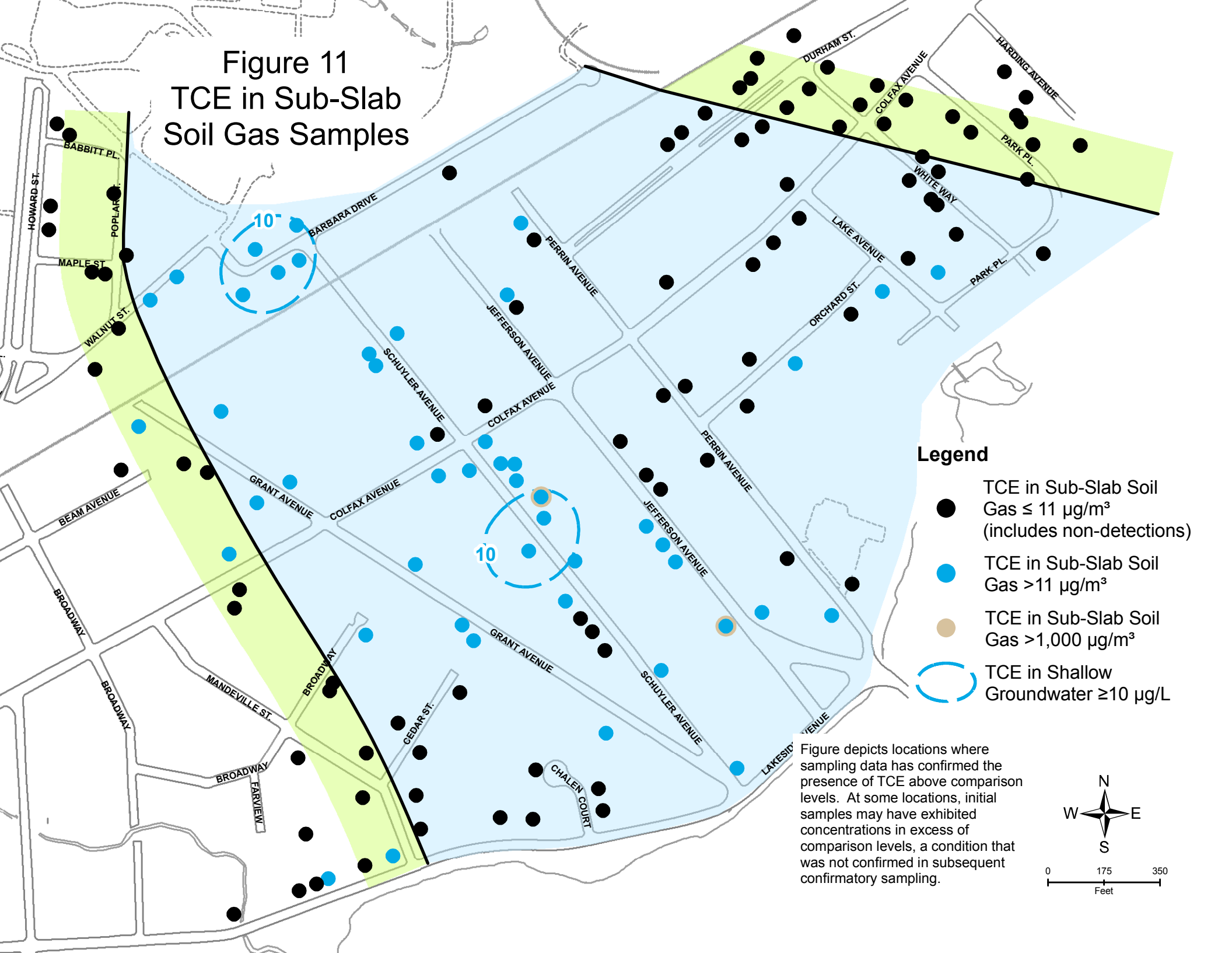


Figure 12
Groundwater vs. Sub-Slab Soil Gas Data – PCE

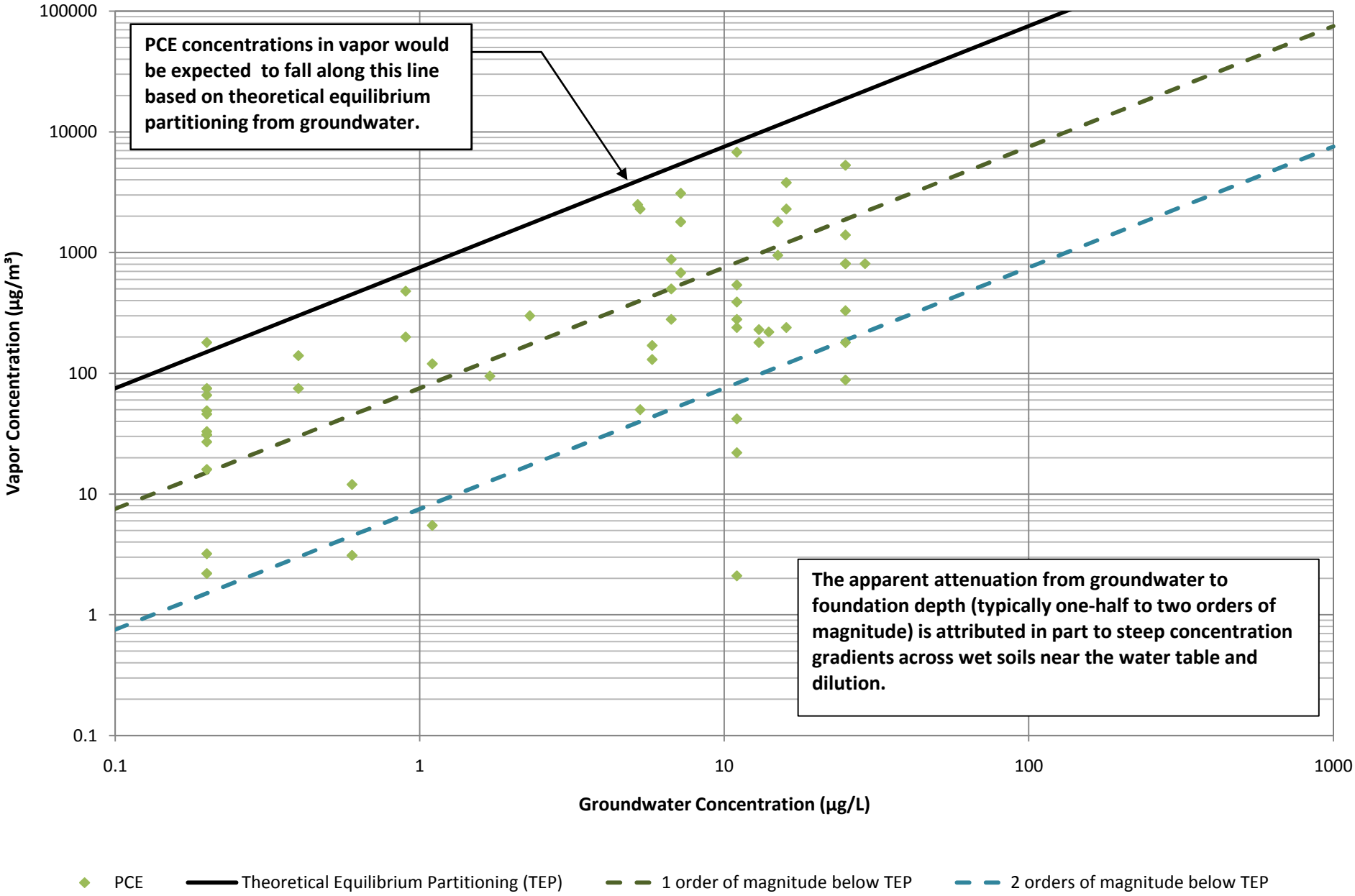


Figure 13
Groundwater vs. Sub-Slab Soil Gas Data – TCE

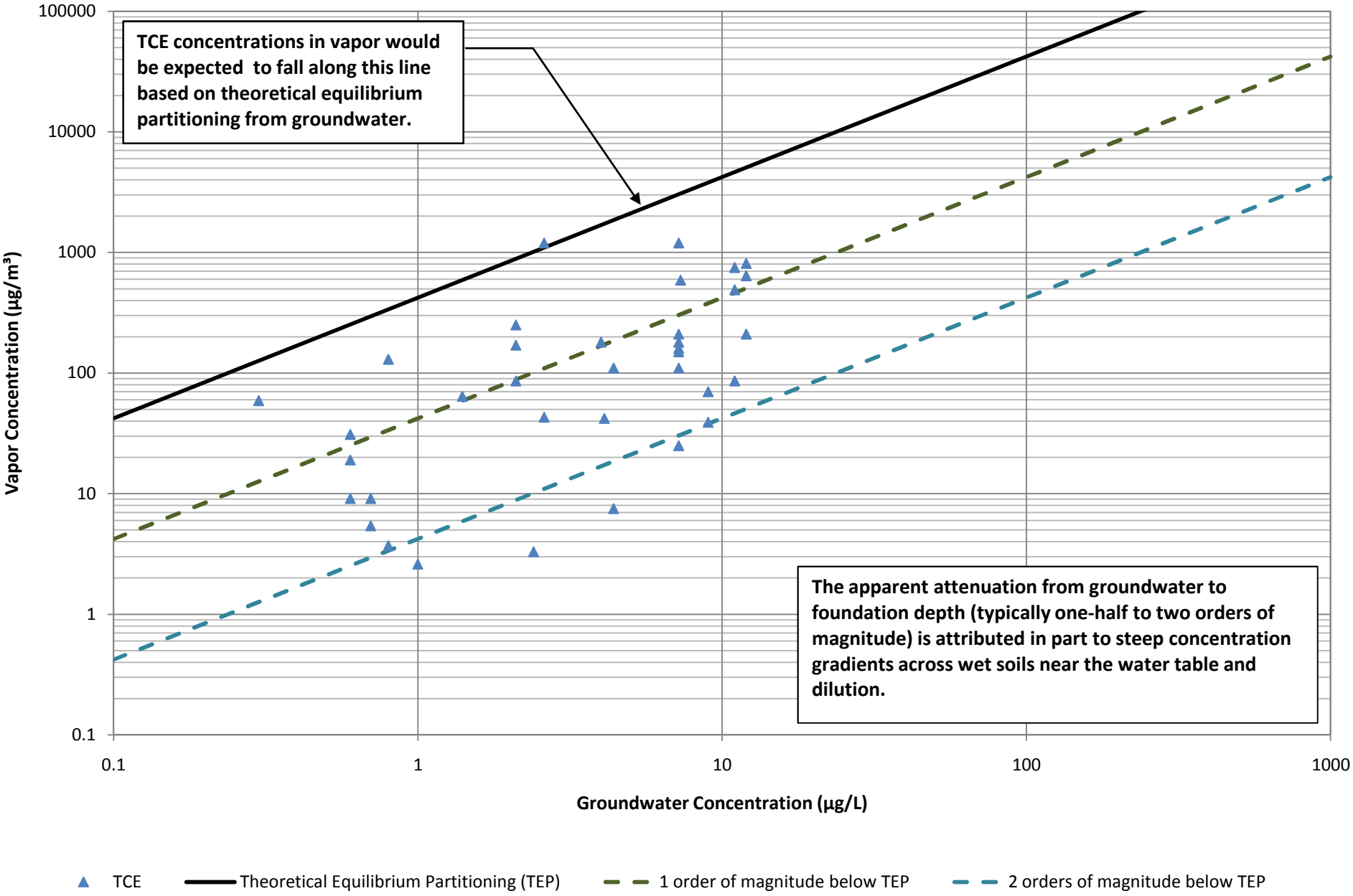
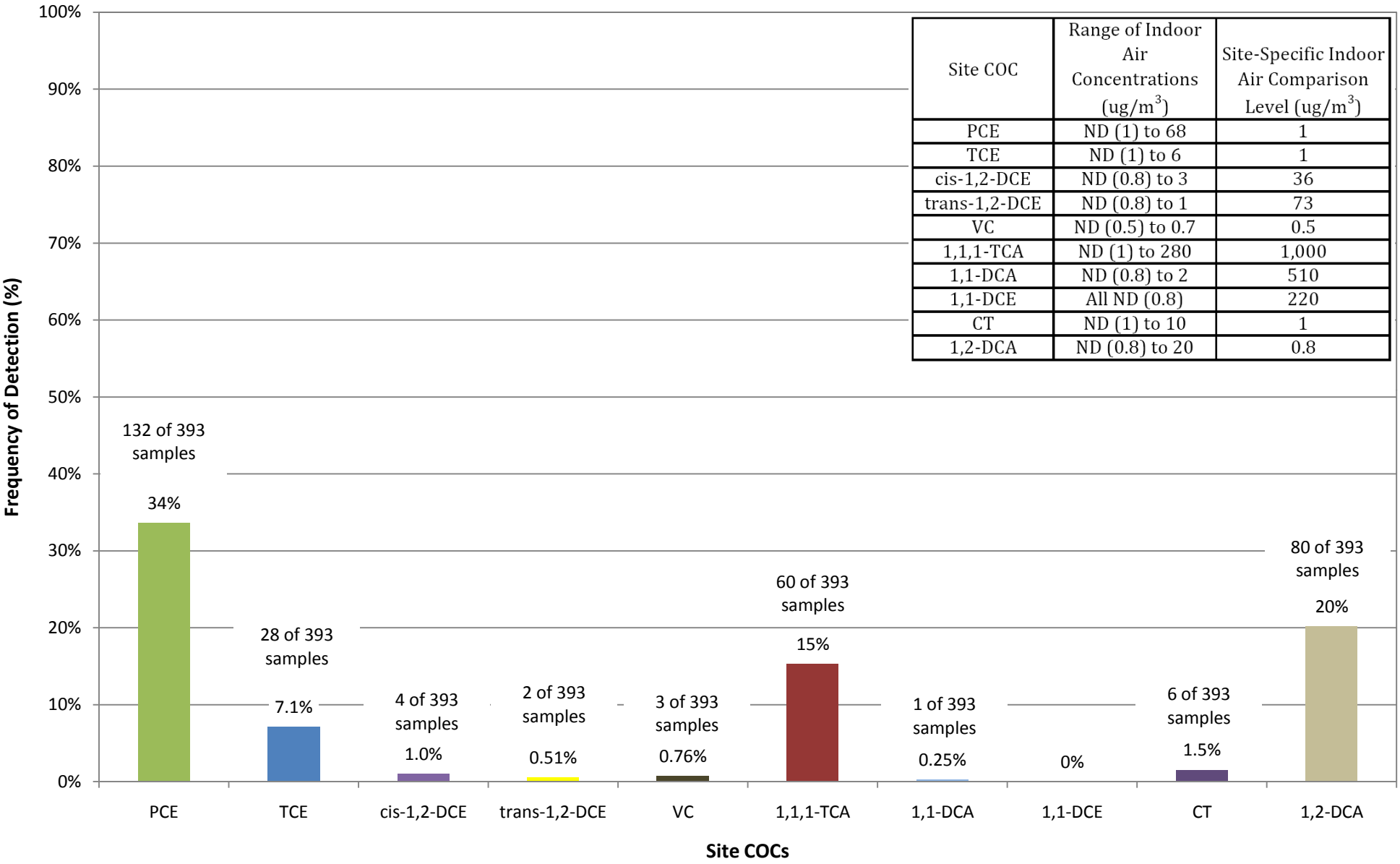
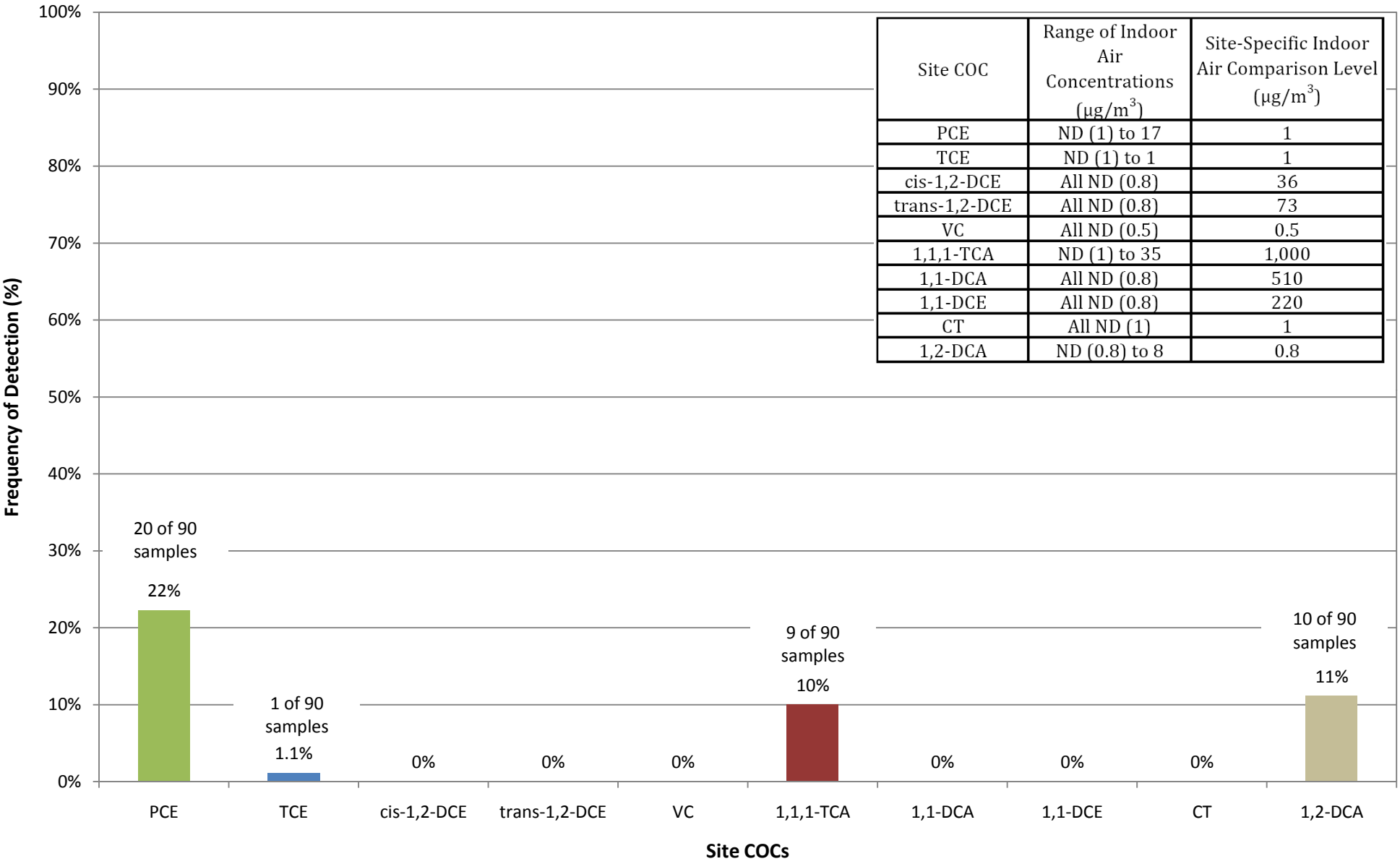


Figure 14
Frequency of Detection in Indoor Air Samples
(Pre-Mitigation - Heating and Non-Heating Season Data)



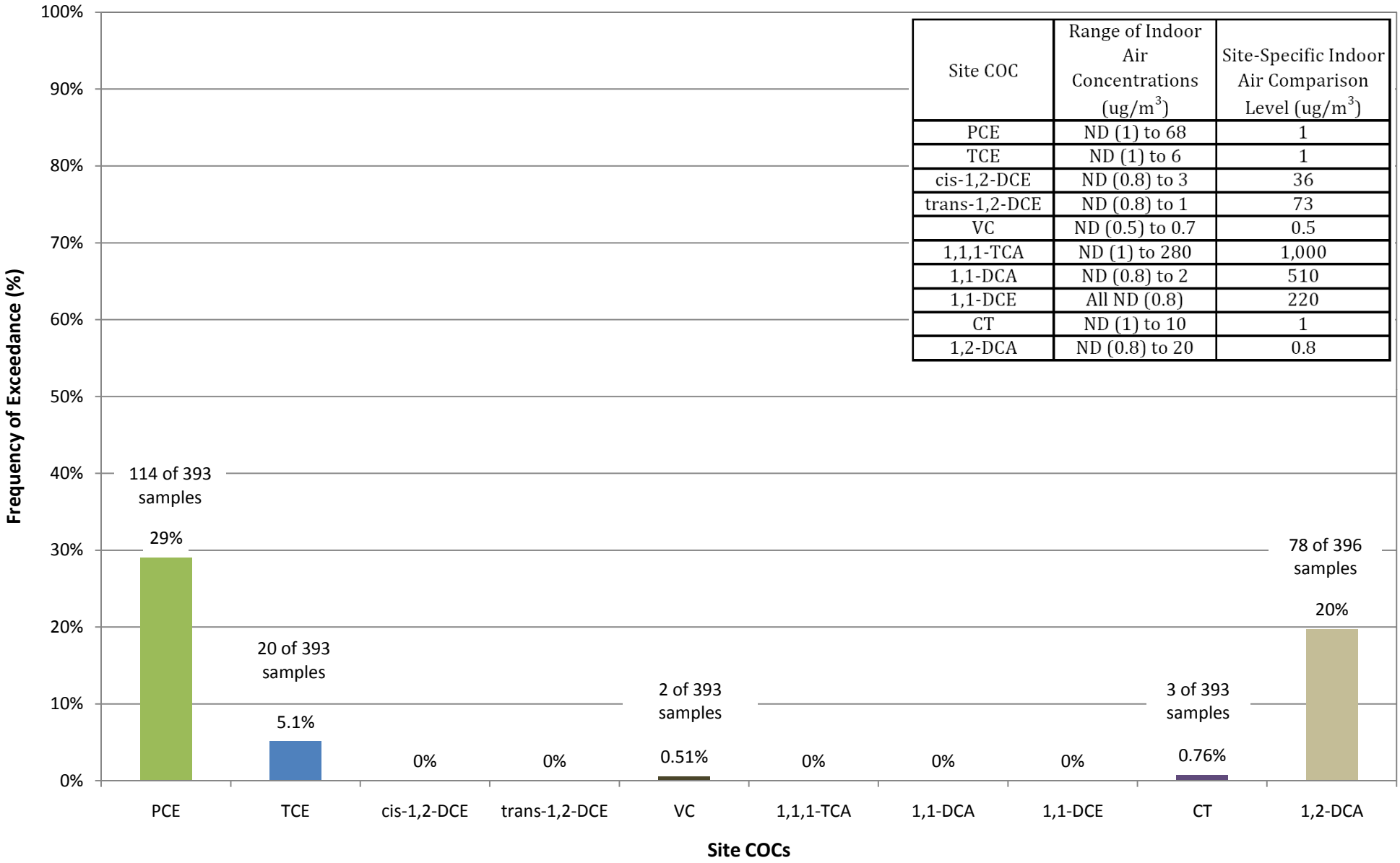
Site COC	Range of Indoor Air Concentrations (ug/m^3)	Site-Specific Indoor Air Comparison Level (ug/m^3)
PCE	ND (1) to 68	1
TCE	ND (1) to 6	1
cis-1,2-DCE	ND (0.8) to 3	36
trans-1,2-DCE	ND (0.8) to 1	73
VC	ND (0.5) to 0.7	0.5
1,1,1-TCA	ND (1) to 280	1,000
1,1-DCA	ND (0.8) to 2	510
1,1-DCE	All ND (0.8)	220
CT	ND (1) to 10	1
1,2-DCA	ND (0.8) to 20	0.8

Figure 14A
Frequency of Detection in Indoor Air Samples
(Pre-Mitigation - Heating Season Data)



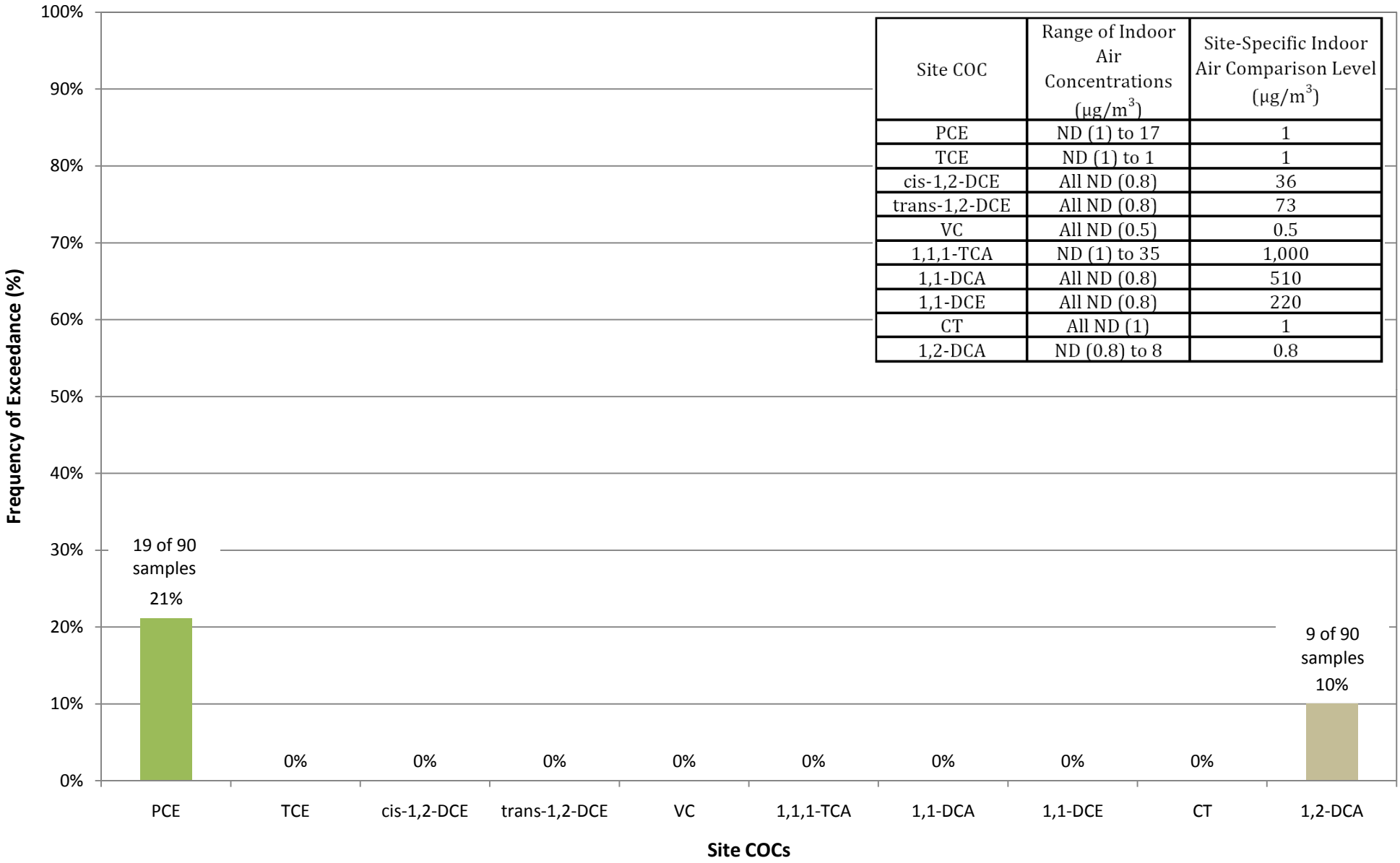
Site COC	Range of Indoor Air Concentrations ($\mu g/m^3$)	Site-Specific Indoor Air Comparison Level ($\mu g/m^3$)
PCE	ND (1) to 17	1
TCE	ND (1) to 1	1
cis-1,2-DCE	All ND (0.8)	36
trans-1,2-DCE	All ND (0.8)	73
VC	All ND (0.5)	0.5
1,1,1-TCA	ND (1) to 35	1,000
1,1-DCA	All ND (0.8)	510
1,1-DCE	All ND (0.8)	220
CT	All ND (1)	1
1,2-DCA	ND (0.8) to 8	0.8

Figure 15
Exceedances of Indoor Air Comparison Levels
(Pre-Mitigation - Heating and Non-Heating Season Data)



Site COC	Range of Indoor Air Concentrations (ug/m^3)	Site-Specific Indoor Air Comparison Level (ug/m^3)
PCE	ND (1) to 68	1
TCE	ND (1) to 6	1
cis-1,2-DCE	ND (0.8) to 3	36
trans-1,2-DCE	ND (0.8) to 1	73
VC	ND (0.5) to 0.7	0.5
1,1,1-TCA	ND (1) to 280	1,000
1,1-DCA	ND (0.8) to 2	510
1,1-DCE	All ND (0.8)	220
CT	ND (1) to 10	1
1,2-DCA	ND (0.8) to 20	0.8

Figure 15A
Exceedances of Indoor Air Comparison Levels
(Pre-Mitigation - Heating Season Data)



Site COC	Range of Indoor Air Concentrations ($\mu g/m^3$)	Site-Specific Indoor Air Comparison Level ($\mu g/m^3$)
PCE	ND (1) to 17	1
TCE	ND (1) to 1	1
cis-1,2-DCE	All ND (0.8)	36
trans-1,2-DCE	All ND (0.8)	73
VC	All ND (0.5)	0.5
1,1,1-TCA	ND (1) to 35	1,000
1,1-DCA	All ND (0.8)	510
1,1-DCE	All ND (0.8)	220
CT	All ND (1)	1
1,2-DCA	ND (0.8) to 8	0.8

Figure 16
Indoor Air Statistical Distributions – PCE and TCE
(Pre-Mitigation - Heating and Non-Heating Season Data)

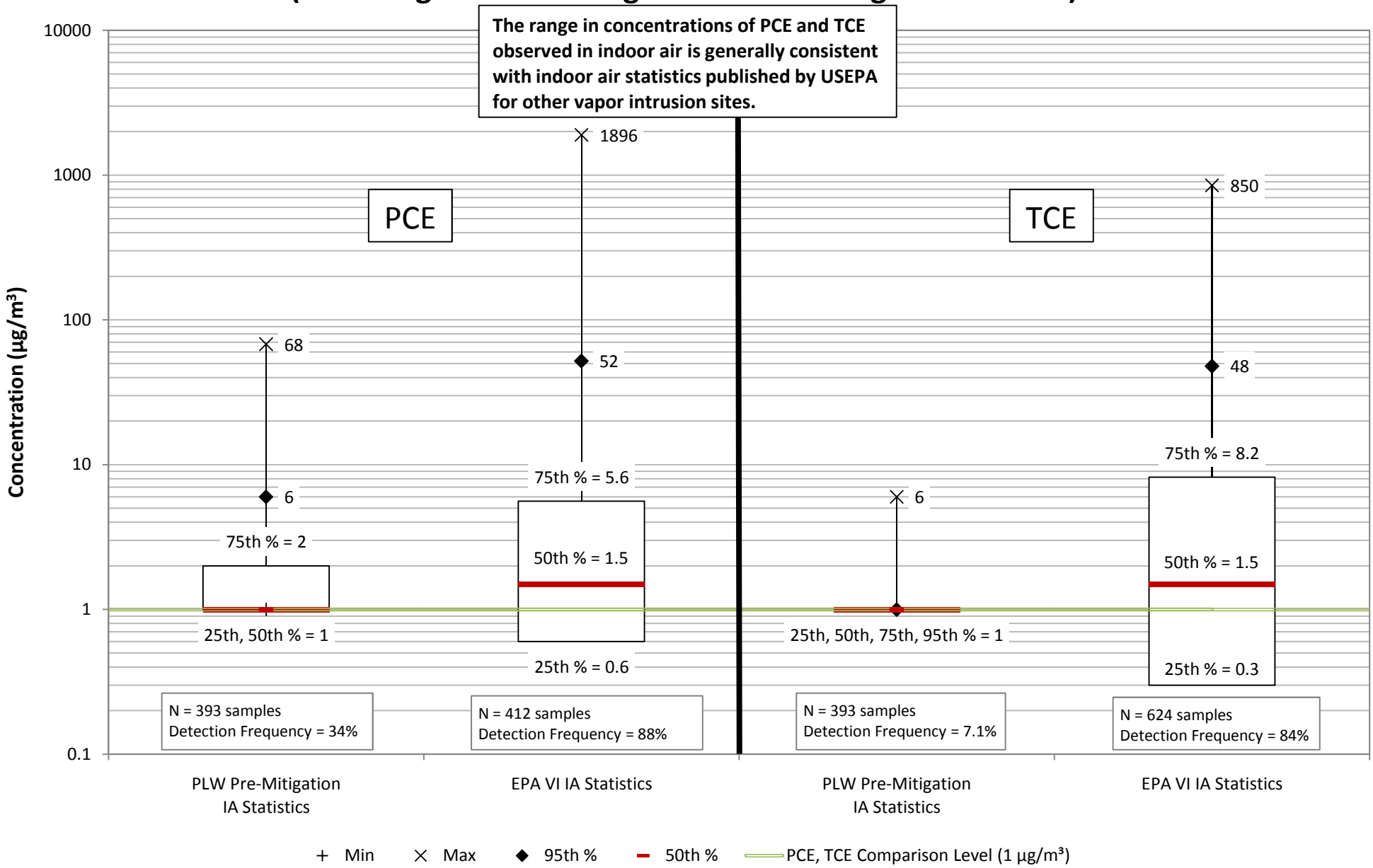


Figure 16A
Indoor Air Statistical Distributions – PCE and TCE
(Pre-Mitigation - Heating Season Data)

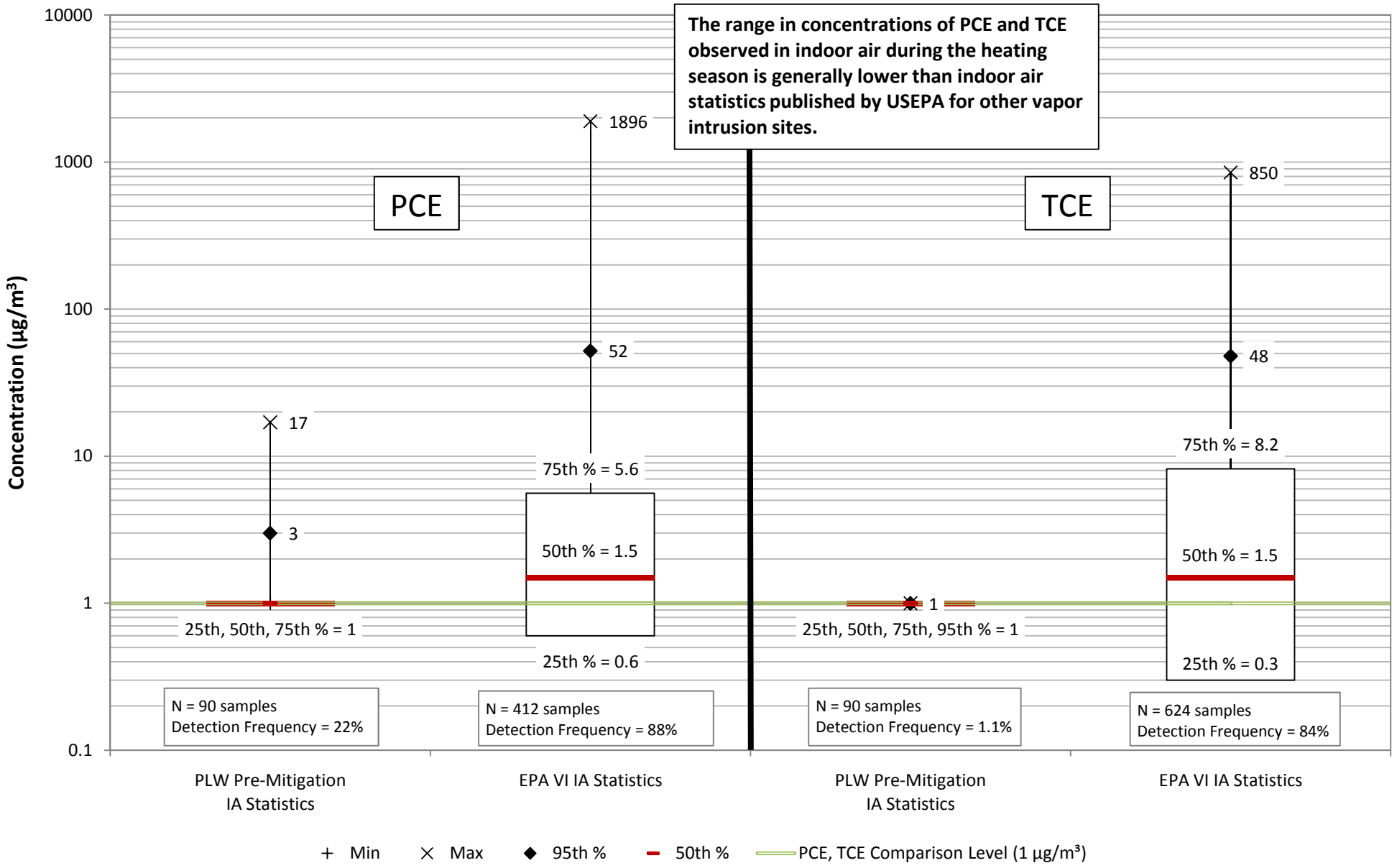


Figure 17
PCE in Indoor Air Samples (Pre-Mitigation - Heating and Non-Heating Season)

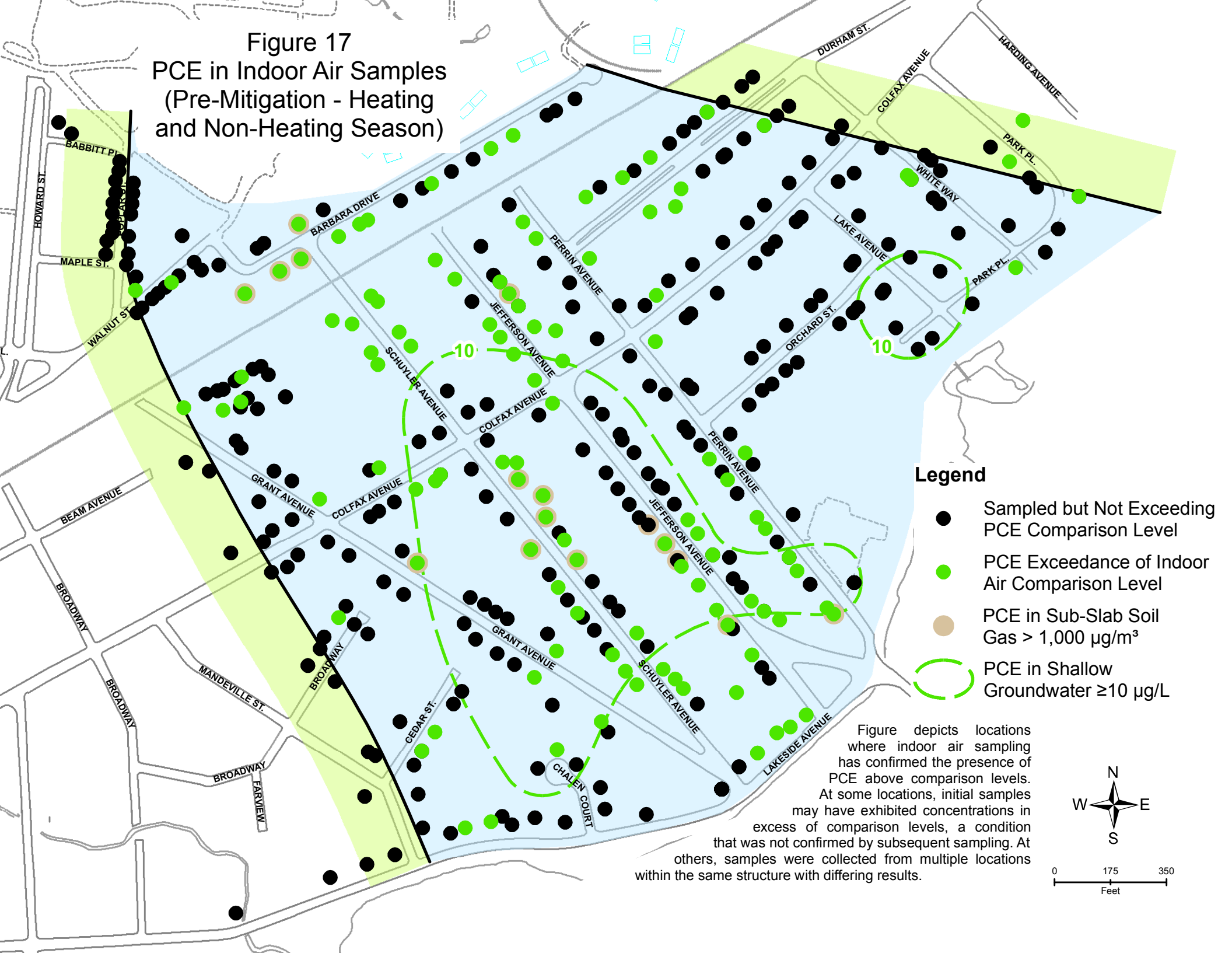


Figure depicts locations where indoor air sampling has confirmed the presence of PCE above comparison levels. At some locations, initial samples may have exhibited concentrations in excess of comparison levels, a condition that was not confirmed by subsequent sampling. At others, samples were collected from multiple locations within the same structure with differing results.

Figure 17A
PCE in Indoor Air Samples
(Pre-Mitigation - Heating Season)

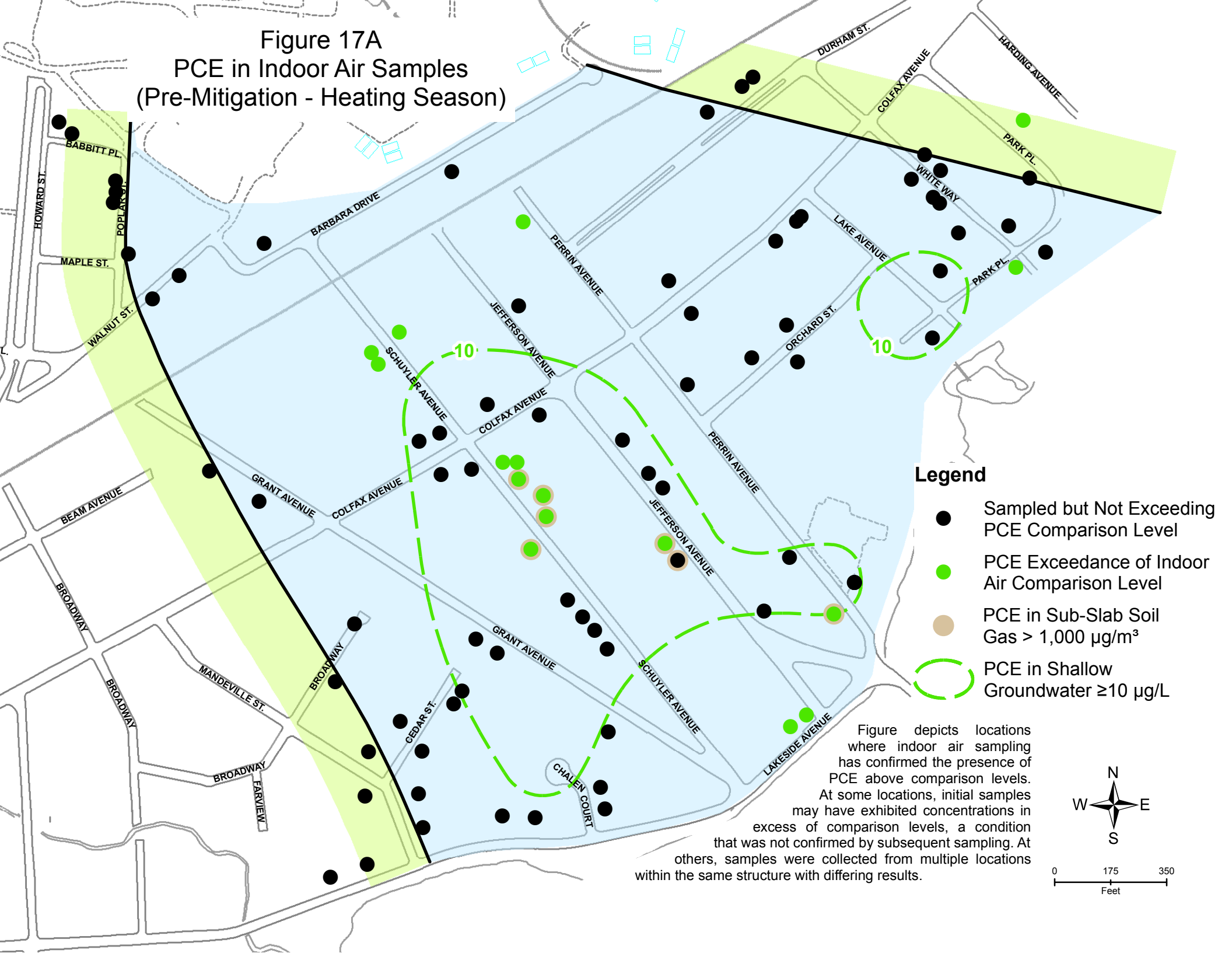
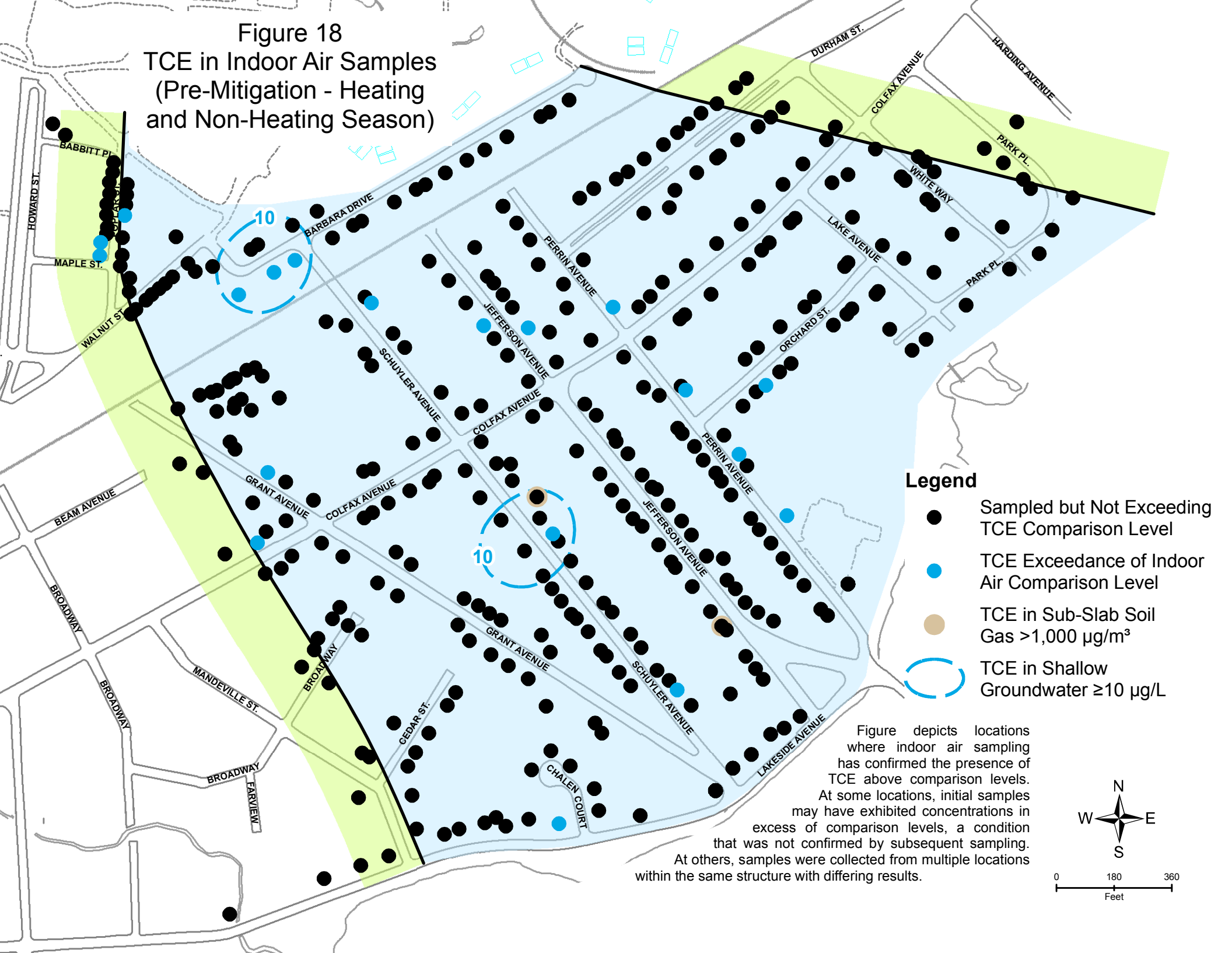


Figure depicts locations where indoor air sampling has confirmed the presence of PCE above comparison levels. At some locations, initial samples may have exhibited concentrations in excess of comparison levels, a condition that was not confirmed by subsequent sampling. At others, samples were collected from multiple locations within the same structure with differing results.

Figure 18
TCE in Indoor Air Samples (Pre-Mitigation - Heating and Non-Heating Season)



Legend

- Sampled but Not Exceeding TCE Comparison Level
- TCE Exceedance of Indoor Air Comparison Level
- TCE in Sub-Slab Soil Gas >1,000 µg/m³
- TCE in Shallow Groundwater ≥10 µg/L

Figure depicts locations where indoor air sampling has confirmed the presence of TCE above comparison levels. At some locations, initial samples may have exhibited concentrations in excess of comparison levels, a condition that was not confirmed by subsequent sampling. At others, samples were collected from multiple locations within the same structure with differing results.

N
W E
S

0 180 360
Feet

Figure 18A
TCE in Indoor Air Samples
(Pre-Mitigation - Heating Season)

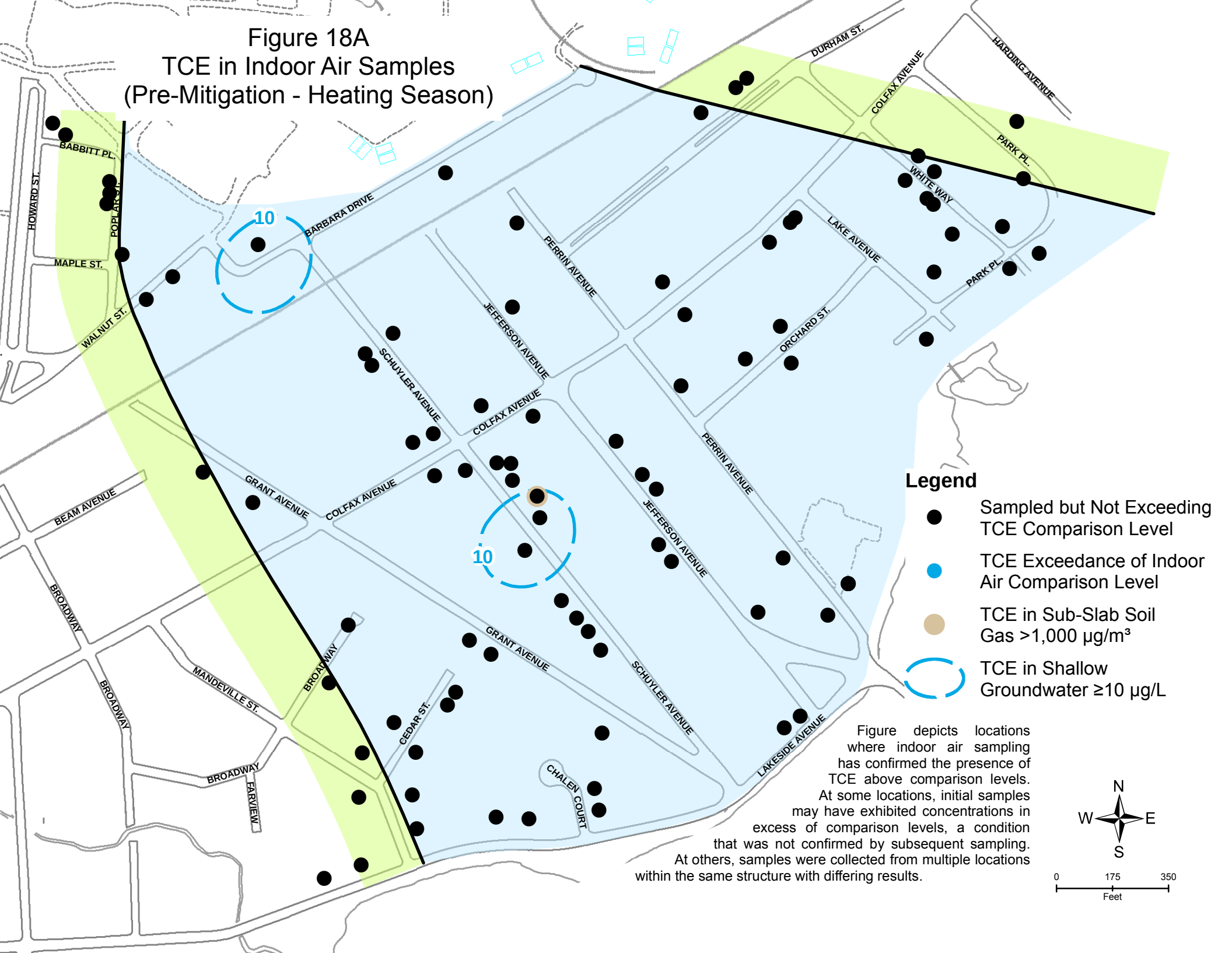


Figure depicts locations where indoor air sampling has confirmed the presence of TCE above comparison levels. At some locations, initial samples may have exhibited concentrations in excess of comparison levels, a condition that was not confirmed by subsequent sampling. At others, samples were collected from multiple locations within the same structure with differing results.

Figure 19
Comparison with Indoor Air Background Statistical Distributions – PCE and TCE
(Pre-Mitigation - Heating and Non-Heating Season Data)

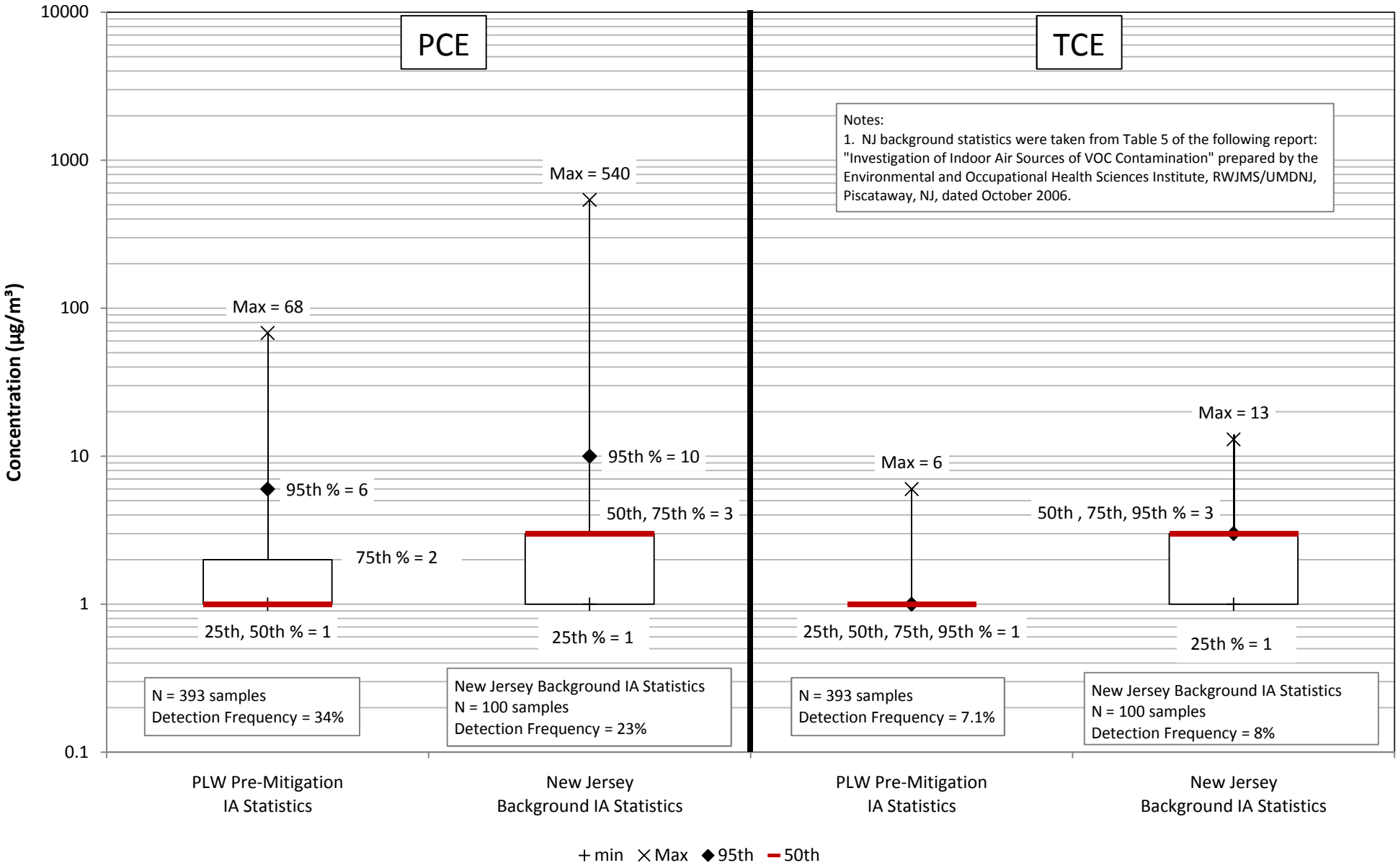


Figure 19A
Comparison with Indoor Air Background Statistical Distributions – PCE and TCE
(Pre-Mitigation - Heating Season Data)

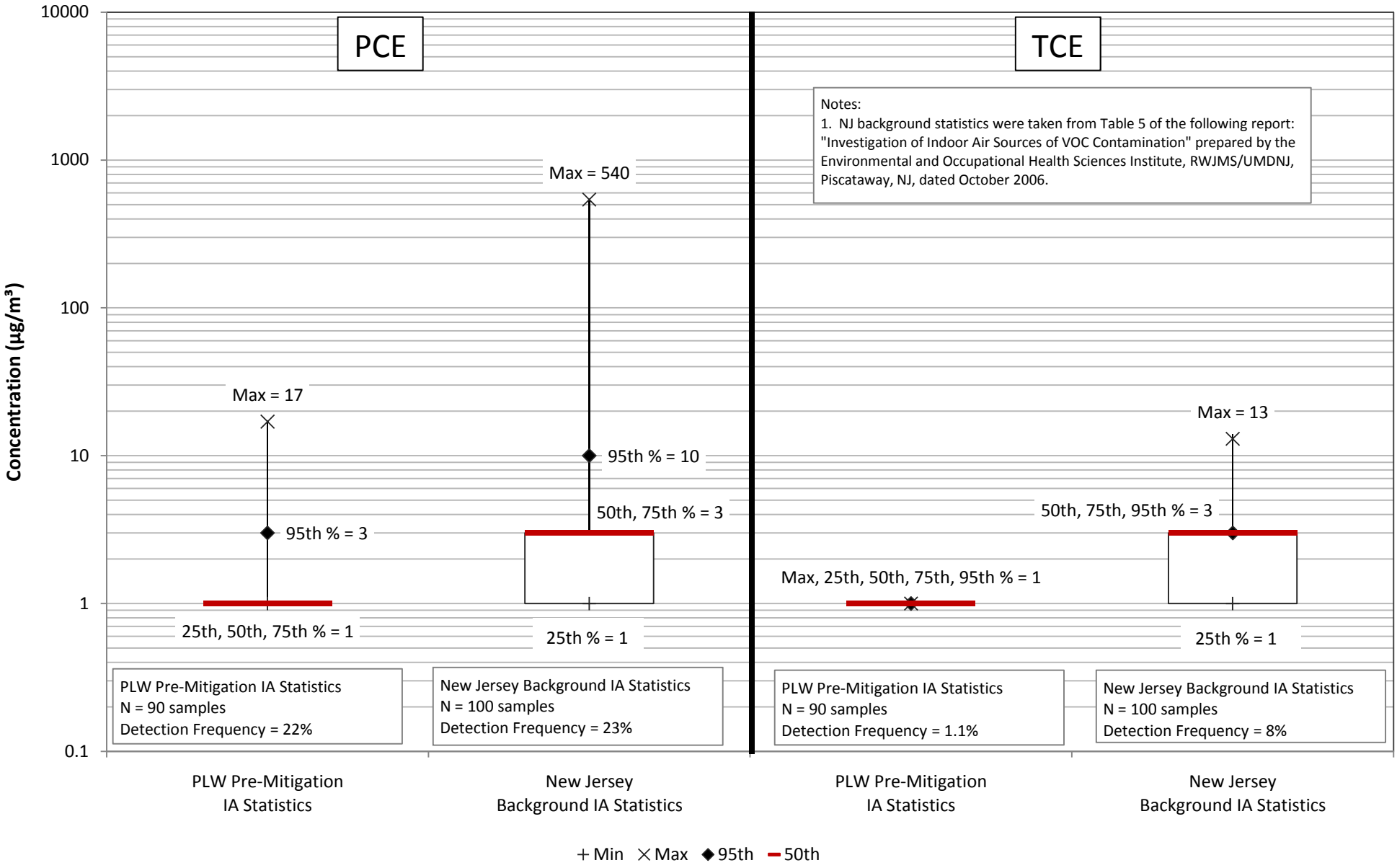


Figure 20
Exceedances of Indoor Air Comparison Levels – PCE and TCE
(Pre-Mitigation - Heating and Non-Heating Season Data)

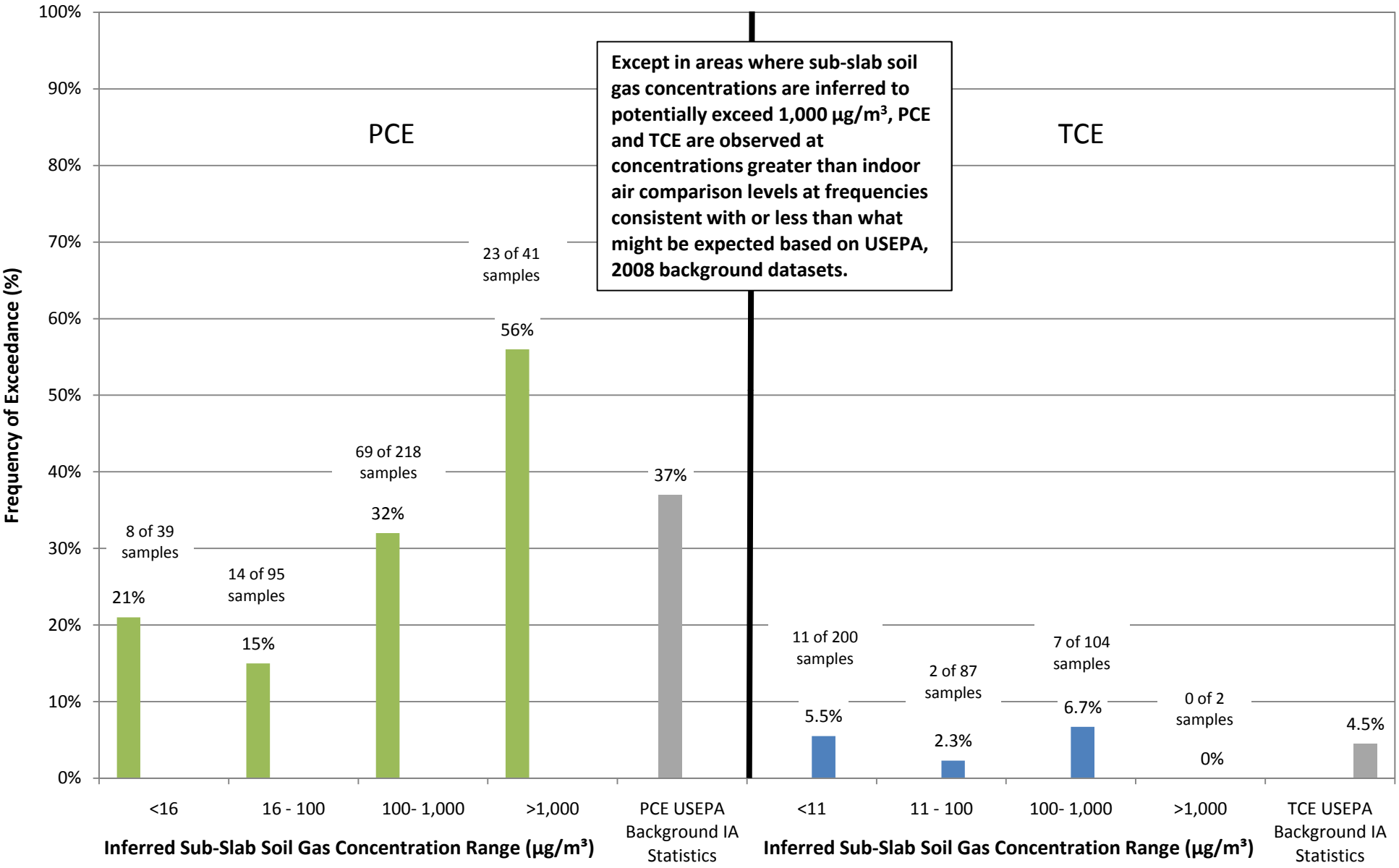


Figure 20A
Exceedances of Indoor Air Comparison Levels – PCE and TCE
(Pre-Mitigation - Heating Season Data)

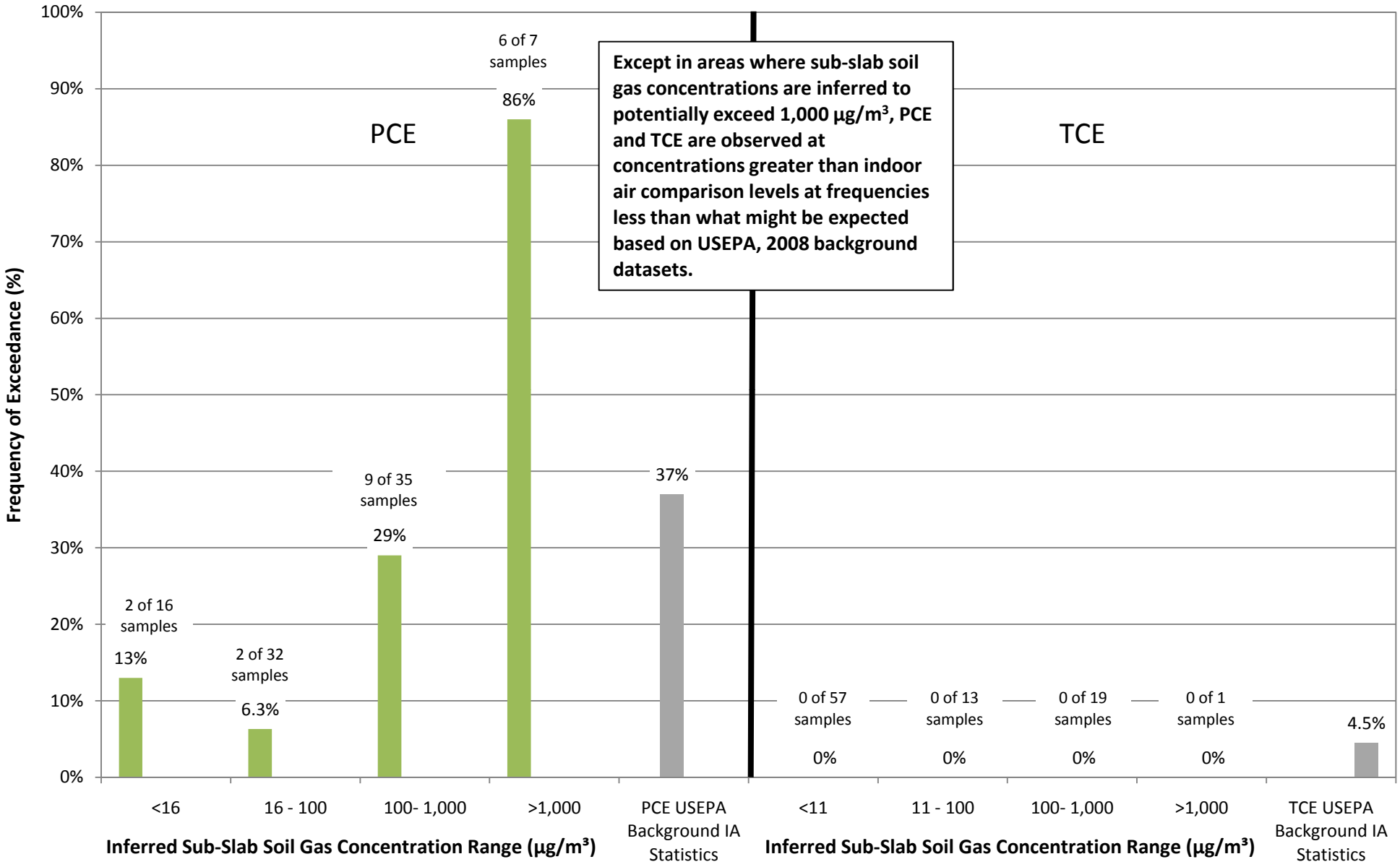
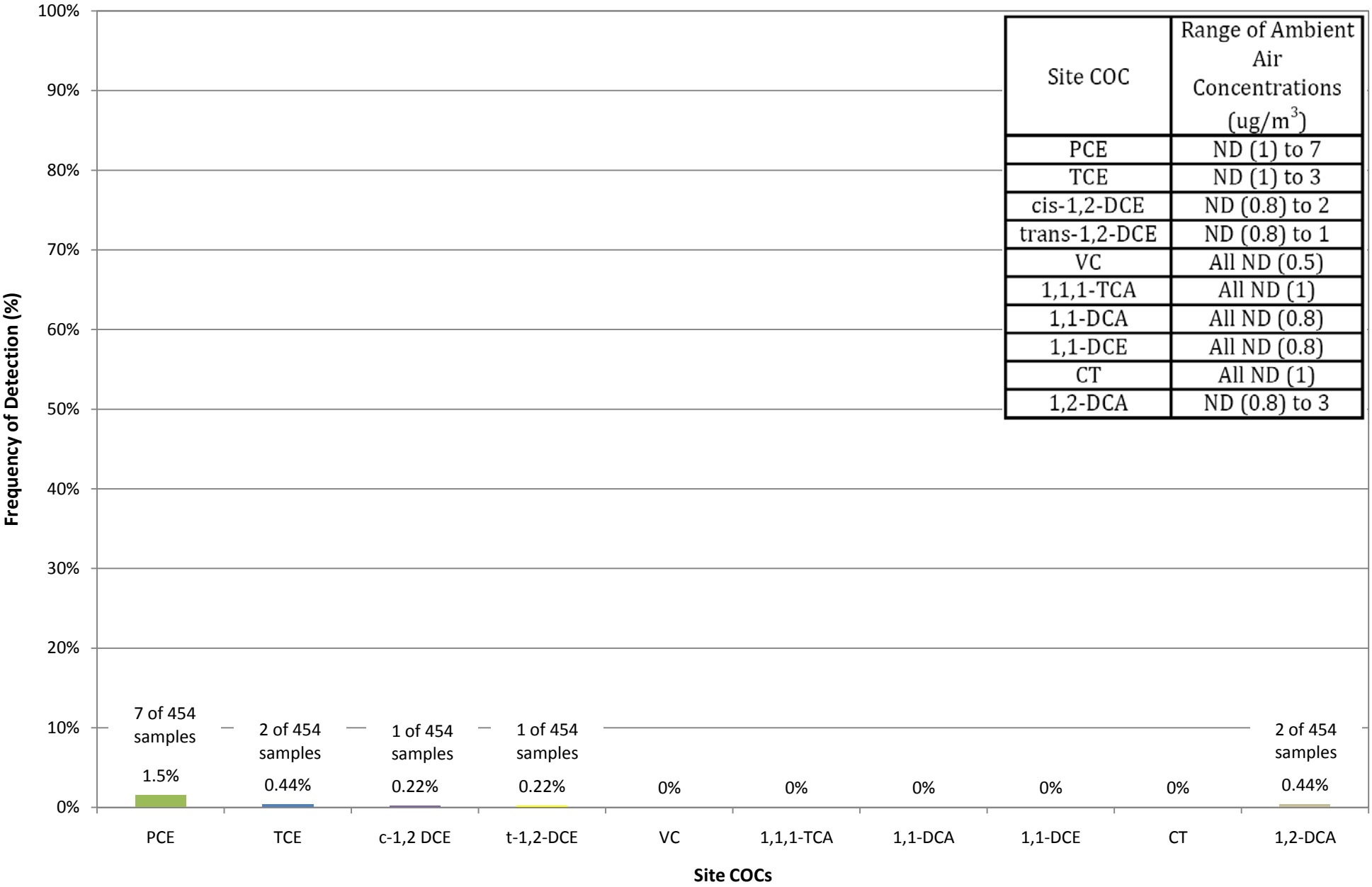
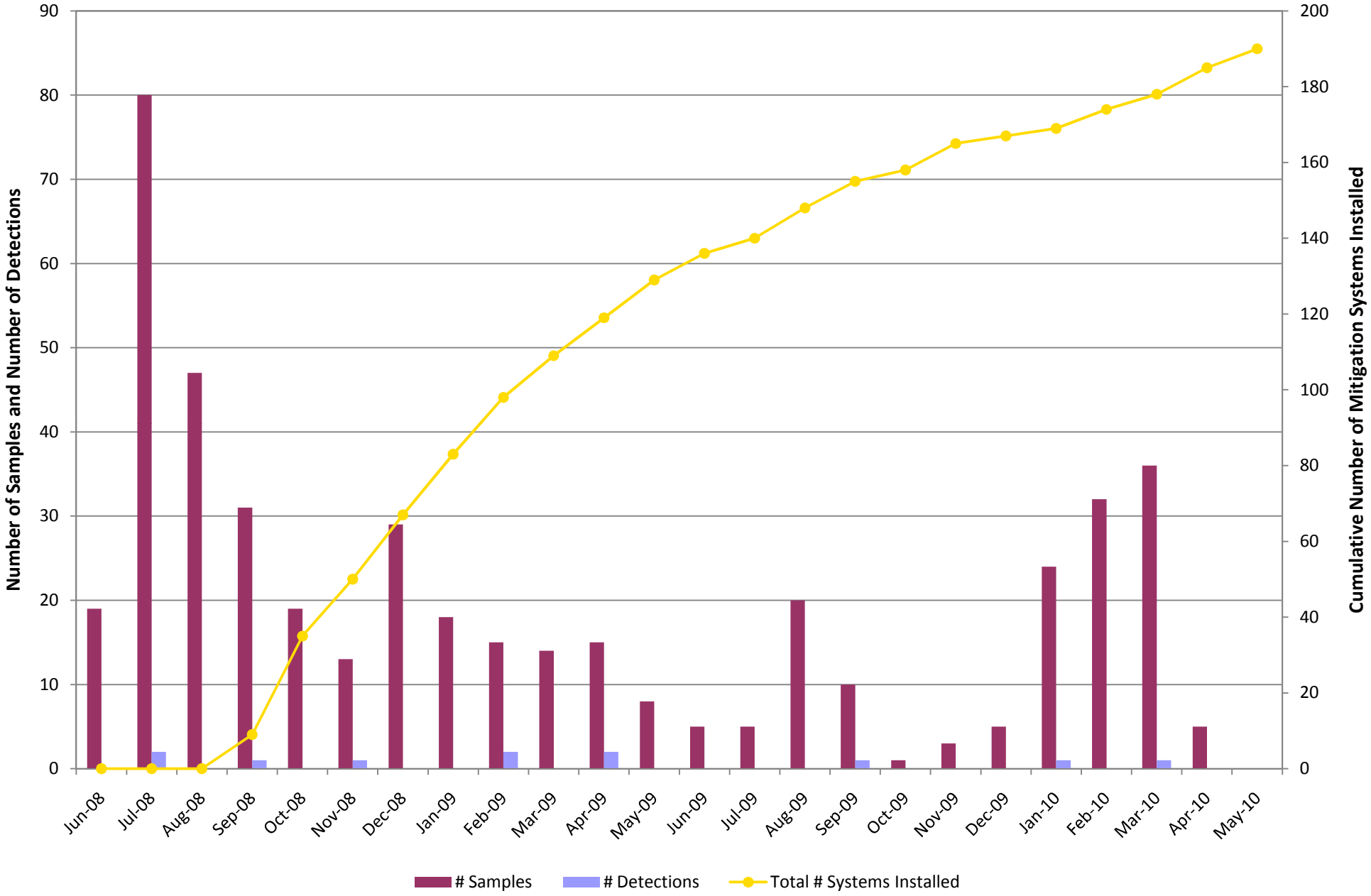


Figure 21
Frequency of Detection in Ambient Air Samples



Site COC	Range of Ambient Air Concentrations (ug/m^3)
PCE	ND (1) to 7
TCE	ND (1) to 3
cis-1,2-DCE	ND (0.8) to 2
trans-1,2-DCE	ND (0.8) to 1
VC	All ND (0.5)
1,1,1-TCA	All ND (1)
1,1-DCA	All ND (0.8)
1,1-DCE	All ND (0.8)
CT	All ND (1)
1,2-DCA	ND (0.8) to 3

Figure 22
Number of Samples and Detections in Ambient Air



\\conserV01\CONDATA\CONDATA\3100s\3143.00\originals\201006 Vapor Intrusion RI Report\Plots and Tables\20100628 Ambient Air Data.xlsx

Sanborn, Head & Associates, Inc.

APPENDICES

Appendix A

Remedial Investigation Report Form

New Jersey Department of Environmental Protection
Site Remediation Program

REMEDIAL INVESTIGATION REPORT FORM

☒ Non-LSRP (Existing Cases) ☐ LSRP ☐ Subsurface Evaluator

Date Stamp
(For Department use only)

SECTION A. SITE NAME AND LOCATION

Site Name: E.I. du Pont de Nemours and Company

List all AKAs: DuPont Pompton Lakes Works

Street Address: 2000 Cannonball Road

Municipality: Borough of Pompton Lakes and Wanaque (Township, Borough or City)

County: Passaic Zip Code: 07442

Mailing Address if different than street address:

Program Interest (PI) Number(s): 007411 Case Tracking Number(s):

Date Remediation Initiated Pursuant to N.J.A.C. 7:26C-2.2 or 2.3(b):

State Plane Coordinates for a central location at the site: Easting: Northing:

Municipal Block(s) and Lot(s): Block # 100 Lot # 3, 6.01, 7

Block #	479	Lot #	3, 4, 4.01, 5	Block #		Lot #	
Block #		Lot #		Block #		Lot #	
Block #		Lot #		Block #		Lot #	
Block #		Lot #		Block #		Lot #	

SECTION B. REQUIRED TECHNICAL SUBMITTALS

	Not Applicable	Included in this Submission	Previously Submitted	Date of Submission	Date of Revised Submission
Immediate Environmental Concern Report	☒	☐	☐		
Immediate Response Action Plans	☒	☐	☐		
Preliminary Assessment Report	☐	☐	☒	04/29/1996	
Receptor Evaluation	☒	☐	☐		
Site Investigation Report	☐	☐	☒	06/12/2003	
Remedial Investigation/Remedial Action Work Plan	☐	☐	☒	06/25/2007 06/16/2008	11/04/2009
Feasibility Study Report	☒	☐	☐		
Response Action Outcome Report	☒	☐	☐		
Permit Application	☒	☐	☐		

SECTION C. SITE USE

Current Site Use (check all that apply)

- ☒ Industrial
- ☐ Residential
- ☐ Commercial
- ☐ School or child care
- ☐ Agricultural
- ☐ Park or recreational use
- ☐ Vacant
- ☐ Government
- ☒ Other Former Explosives Manufacturing Facility

Intended Future Site Use, if known (check all that apply)

- ☒ Industrial
- ☐ Residential
- ☐ Commercial
- ☐ School or child care
- ☐ Park or recreational use
- ☐ Vacant
- ☐ Government
- ☒ Future site use unknown

SECTION D. PUBLIC FUNDS

Did the remediation utilize public funds? ..... ☐ Yes ☒ No

If "Yes," check applicable: ☐ UST Grant ☐ UST Loan ☐ Brownfield Reimbursement Program
☐ HDSRF Grant ☐ HDSRF Loan ☐ Landfill Reimbursement Program
☐ Spill Fund ☐ Schools Development Authority

SECTION E. SCOPE OF THE REMEDIAL INVESTIGATION REPORT

☒ Area(s) of Concern Only (If submitted for specific AOC(s), attach Section H2 of the PA/SI form.)

☐ Full Site (based on a completed and submitted Preliminary Assessment/Site Investigation)

Is the Remedial Investigation complete? ..... ☐ Yes ☒ No

SECTION F. SITE CONDITIONS

1. Check each media-type and highest concentration of contamination currently present above any applicable standards/criteria:

Soil in ppm	**GW = Ground Water in ppb**					**SW = Surface Water in ppb**					**Sed = Sediment in ppm**				
	Soil ppm	GW ppb	SW ppb	Sed ppm		Soil ppm	GW ppb	SW ppb	Sed ppm		Soil ppm	GW ppb	SW ppb	Sed ppm	
*VOCs	☐	☒	☐	☐	<100	☐	☐	☐	☐	100–1,000	☐	☐	☐	☐	>1,000
*SVOCs	☐	☐	☐	☐	<100	☐	☐	☐	☐	100–1,000	☐	☐	☐	☐	>1,000
*PAHs	☐	☐	☐	☐	<10	☐	☐	☐	☐	10–100	☐	☐	☐	☐	>100
*Metals	☐	☐	☐	☐	<100	☐	☐	☐	☐	100–1,000	☐	☐	☐	☐	>1,000
PCBs	☐	☐	☐	☐	<10	☐	☐	☐	☐	10–100	☐	☐	☐	☐	>100
*Pesticides	☐	☐	☐	☐	<1	☐	☐	☐	☐	1-10	☐	☐	☐	☐	>10
Dioxin (ppb)	☐	☐	☐	☐	<1 ppb	☐	☐	☐	☐	1-10 ppb	☐	☐	☐	☐	>10 ppb
Chromium	☐	☐	☐	☐	<100	☐	☐	☐	☐	100–1,000	☐	☐	☐	☐	>1,000
Mercury	☐	☐	☐	☐	<100	☐	☐	☐	☐	100–1,000	☐	☐	☐	☐	>1,000
Arsenic	☐	☐	☐	☐	<10	☐	☐	☐	☐	10–100	☐	☐	☐	☐	>100
TPHC	☐			☐	<1,700	☐			☐	1,700–5,100	☐			☐	>5,100

2. For any contaminant group (*) checked above, identify the compound/element with the highest concentration over its applicable remediation standard:

Tetrachloroethene

3. Were the laboratory reporting minimum detection limits below applicable remediation standards/ criteria required for the site? ..... ☒ Yes ☐ No

4. Are any of the following conditions currently present (check all that apply):

Groundwater:

☒ Contaminated ground water in the overburden aquifer
☐ Contaminated ground water in a confined aquifer
☐ Contaminated ground water in the bedrock aquifer
☐ Contaminated ground water in multiple aquifer units
☐ Multiple distinct ground water plumes
☒ Contaminated ground water migrating off-site
☐ Co-mingled on-site ground water plumes
☐ Co-mingled ground water plumes from both on-site and off-site sources
☐ Contaminated ground water discharging to surface water
☐ Residual or free product
☐ Radionuclides

Soil:

☐ On-site discharge(s) impacting soil off-site
☐ Chromate Production Waste
☐ Munitions and explosives of concern
☐ Contaminated soil in the saturated zone
☐ Historic pesticide impacts to soil
☐ Residual or free product
☐ Radionuclides
☐ Historic Fill
☐ Soil contamination due to naturally occurring background conditions

SECTION G. APPLICABLE REMEDIATION STANDARDS

**APPLICABLE STANDARDS FOR THIS RIR ARE SITE SPECIFIC SCREENING LEVERLS

Indicate the Remediation Standards used for all compounds (check all that apply).

☐ Default (check all that apply below)
- ☐ Direct Contact
- ☐ Impact to Groundwater Soil Screening Levels
- ☐ Ecological Screening Levels

☐ Alternate Remediation Standards for the Ingestion/Dermal Pathway

☐ Alternate Remediation Standards for the Inhalation Pathway

☐ Site Specific Standards for the Impact to Groundwater Pathway (check all that apply below)
- ☐ Soil-Water Partitioning Equation
- ☐ SPLP
- ☐ Sesoil
- ☐ Sesoil/AT123D

☐ Ecological Remediation Goals

What is the ground water classification for this site as per N.J.A.C. 7:9C (check all that apply)?
- ☐ Class I-A
- ☐ Class I-PL Pinelands Protection Area
- ☐ Class I-PL Pinelands Preservation Area
- ☐ Class II-A
- ☐ Class III-A
- ☐ Class III-B

SECTION H. BACKGROUND CONDITIONS

1. Have all contaminants found in soil and ground water on site been linked to on-site areas of concern? ☒ Yes ☐ No
2. Did the RI demonstrate via a background investigation, outside the influence of on-site AOCs **and** operational areas, that:
   a. all or any part of the ground water contamination is migrating onto this site per N.J.A.C. 7:26E-3.7(g)? ☐ Yes ☐ No ☒ NA
   b. soil contamination is naturally occurring per N.J.A.C. 7:26E-3.10 ☐ Yes ☐ No ☒ NA

SECTION I. ALTERNATIVE STANDARD / DEVIATIONS

Alternative remediation standard

If proposing an alternative remediation standard pursuant to N.J.A.C. 7:26D-7.4, check here and attach the Alternative Soil Remediation Standard Application Form as an addendum. ☐

Deviation from regulations

If the Licensed Site Remediation Professional has varied from the Technical Rules, provide the citation(s) from which the remediation varied and the page(s) in the attached document where the rationale for the deviation is provided.

N.J.A.C. 7:26E- _____ Page _____

N.J.A.C. 7:26E- _____ Page _____

N.J.A.C. 7:26E- _____ Page _____

SECTION J. HISTORIC FILL

NOT APPLICABLE TO THIS RIR

1. The presence of historic fill is supported by (check all that apply):
   ☐ Boring logs ☐ Test Pits ☐ Trenches ☐ Aerial Photos ☐ NJDEP Mapped Areas
   ☐ No historic fill identified at the site. If none, skip to K. below.
2. How was the historic fill characterized pursuant to N.J.A.C. 7:26E-4.6 (check all that apply)?
   ☐ Samples were collected outside areas potentially impacted by on-site operations (i.e., AOC(s))
   ☐ Contaminant levels in Table 4.2 at N.J.A.C. 7:26E-4.6
3. Are any other AOCs (i.e. location of discharge and any contaminants that may have migrated from that area) located within the defined boundaries of the historic fill? ☐ Yes ☐ No
   If "No," skip to K. below
4. Have the same contaminant type(s) (e.g., lead, arsenic, and/or benzo(a)pyrene, etc.) characterized as being present in the historic fill been **sampled for** as a contaminant of concern at these co-located AOCs? ☐ Yes ☐ No

SECTION K. GROUND WATER TRIGGER

Was a ground water investigation conducted at all AOCs where a ground water investigation was triggered pursuant to N.J.A.C. 7:26E-4.4 (a)? ☒ Yes ☐ No ☐ NA

SECTION L. GROUND WATER REMEDIAL INVESTIGATION INFORMATION

1. Were any monitor wells installed in unconfined aquifers in which the water table is higher than the top of the well screen? ☐ Yes ☒ No

   If "Yes," identify the affected wells _____

2. If ground water in the bedrock aquifer is contaminated, were bedrock cores collected and/or were geophysical logging methods conducted to characterize the bedrock aquifer pursuant to N.J.A.C. 7:26E-4.4(g)5? ☐ Yes ☐ No ☒ NA

SECTION M. LABORATORY DATA

1. Were all data submitted in the appropriate full and/or reduced formats according to the deliverables defined in N.J.A.C. 7:26E-2? ☒ Yes ☐ No
2. Do all data submitted meet the quality assurance/quality control (QA/QC) requirements incorporated by reference in N.J.A.C. 7:26E-2 for:
   sampling ☒ Yes ☐ No
   analysis ☒ Yes ☐ No
3. How was it determined that the data complied with the QA/QC requirements?
   ☒ Laboratory non-conformance summary/narrative
   ☒ Laboratory correspondence
   ☐ LSRP review
   ☒ Independent contractor review
   ☐ Other: _____
4. Has any data been qualified and used? ☒ Yes ☐ No
5. Has any data been rejected and used? ☐ Yes ☒ No
6. If clean fill has been brought onto the site, has it been analyzed? ☐ Yes ☐ No
7. Comments:

As analytical data packages have been received from the laboratories, they have been submitted directly to NJDEP along with the required electronic data deliverables (EDDs). As such, they are not included as part of this report. Sub-slab soil gas, indoor air, and ambient samples collected as part of this RIR have been validated by NJDEP.

SECTION N. MISCELLANEOUS

1. Were any regulated USTs identified during the course of the RI that were not previously known? ☐ Yes ☒ No

   If "Yes," list tank size, contents and registration number(s). _____

2. If "Yes," to item M.1. above and if these USTs were Federally Regulated, was the source/cause of release identified on a Confirmed Discharge Notification form? ☐ Yes ☐ No

   If "No," complete and submit a revised Confirmed Discharge Notification form.

3. Identify Remedial Measures (RMs) conducted during the RI (check all that apply):
   ☐ Soil excavation
   ☐ Potable water supply treatment or replacement
   ☐ Hydraulic containment of source area
   ☐ Soil vapor extraction
   ☐ Enhanced fluid recovery (EFR)
   ☐ UST closure
   ☐ Free product recovery
   ☒ Vapor intrusion mitigation
   ☐ No RMs were conducted during the RI
   ☐ Other(s), specify: _____
4. Did the remedial investigation include sampling to characterize any on-site contaminated media for either on-site or off-site reuse? ☐ Yes ☒ No
5. Has new information (material facts, data or other information) been generated during the RI that corrects or contradicts information, or changes conclusions from, previously submitted reports or information? ☐ Yes ☒ No

   If "Yes," explain: _____

SECTION O. PERSON RESPONSIBLE FOR CONDUCTING THE REMEDIATION INFORMATION AND CERTIFICATION

Full Legal Name of the Person Responsible for Conducting the Remediation: E.I. du Pont de Nemours and Company

Representative First Name: Michael Representative Last Name: Lukas

Title: Remediation Team Manager

Phone Number: (302) 999-3567 Ext: Fax:

Mailing Address: Chestnut Run Plaza Blg 715 4417 Lancaster Pike

City/Town: Wilmington State: DE Zip Code: 19805

Email Address: Michael.J.Lukas@usa.dupont.com

Developer Certification Included ☐ or Filed Date of Filing

This certification shall be signed by the person responsible for conducting the remediation who is submitting this notification in accordance with Administrative Requirements for the Remediation of Contaminated Sites rule at N.J.A.C. 7:26C-1.5(a).

I certify under penalty of law that I have personally examined and am familiar with the information submitted herein, including all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, to the best of my knowledge, I believe that the submitted information is true, accurate and complete. I am aware that there are significant civil penalties for knowingly submitting false, inaccurate or incomplete information and that I am committing a crime of the fourth degree if I make a written false statement which I do not believe to be true. I am also aware that if I knowingly direct or authorize the violation of any statute, I am personally liable for the penalties.

Signature: Date: 12/15/10

Name/Title: Michael J. Lukas, DuPont Remediation Team Manager **No Changes Since Last Submittal** ☐

SECTION P. NON-LSRP SITE REMEDIATION PROFESSIONAL STATEMENT

First Name: Norma Last Name: Eichlin

Phone Number: (732) 225-7380 Ext: 261 Fax: (732) 225-7931

Mailing Address: 1090 King Georges Post Road, Suite 904

City/Town: Edison State: NJ Zip Code: 08837

Email Address: norma.eichlin@obg.com

I believe that the information contained herein, and including all attached documents, is true, accurate and complete.

Signature: Norma L. Eichlin Date: 12/15/10

Name/Title: Norma L. Eichlin/Vice President

Company Name: O'Brien & Gere

Completed forms should be sent to:

Bureau of Case Assignment & Initial Notice
New Jersey Department of Environmental Protection
Site Remediation Program
401 East State Street, PO Box 434
Trenton, NJ 08625

Appendix B

Case Inventory Document

Case Inventory Document
DuPont Pompton Lakes Works
Pompton Lakes, Passaic County, New Jersey

Area(s) of Concern, Receptor and Emergency Response Tracking	Impacted Media	Contaminants of Concern (COCs)	Exposure Route	Receptors		Current Status / Outcome
				Existing	Potential	
Classification Exception Area (CEA #4)	Offsite Groundwater	Tetrachloroethene Trichloroethene cis-1,2-Dichloroethene trans-1,2-Dichloroethene Vinyl chloride 1,1-Dichloroethene Carbon tetrachloride	Ingestion/Inhalation	None	None	Comprehensive Ground Water Monitoring Program in place including a semi-annual sampling program (May and November) and annual reporting. The 2009 Ground Water Monitoring Report was submitted in February 2010. The CEA Biennial Certification was submitted in April 2010.
Vapor Intrusion	Sub-Slab Soil Gas and Indoor Air	Tetrachloroethene Trichloroethene cis-1,2-Dichloroethene trans-1,2-Dichloroethene Vinyl chloride 1,1,1-Trichloroethane 1,1-Dichloroethane 1,1-Dichloroethene Carbon tetrachloride 1,2-Dichloroethane	Inhalation	Yes	Yes	Subject of ongoing investigation and mitigation measures.

Notes:
This form only includes the areas of concern addressed as part of this Vapor Intrusion Remedial Investigation Report. The remainder of the Site areas of concern are adressed in the other remedial investigation reports for the Site being submitted concurrently with this document.