# BROWNFIELD PROGRAM REMEDIAL ALTERNATIVES REPORT WORK PLAN

for

# THE DELAVAL PROPERTY RINALDI BOULEVARD POUGHKEEPSIE, NEW YORK



Prepared for:

The City of Poughkeepsie 62 Civic Center Plaza P.O. Box 300 Poughkeepsie, NY 12602-0300

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## 1.0 INTRODUCTION

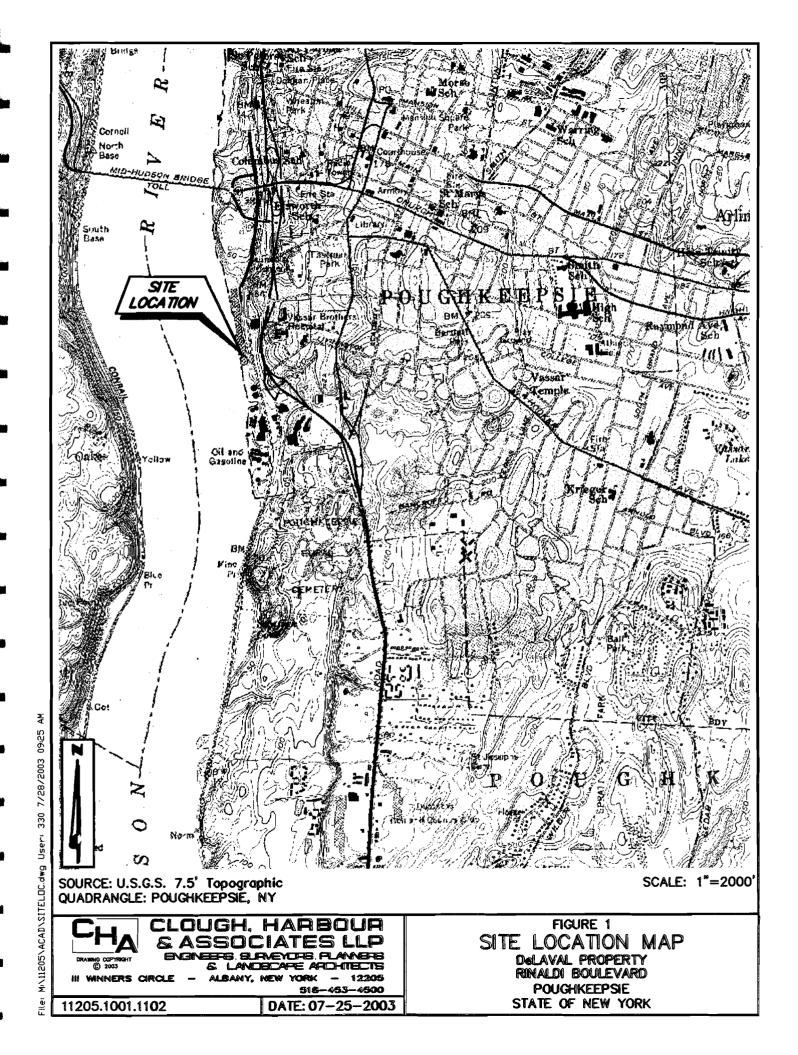
Clough, Harbour, & Associates LLP has been retained by the City of Poughkeepsie to prepare a Remedial Alternatives Report (RAR) Work Plan for the DeLaval Property located on Rinaldi Boulevard in Poughkeepsie, New York. The remediation and redevelopment of the DeLaval site is integral to the City's waterfront revitalization program. The location of the site is illustrated in Figure 1.

Proposed development plans for the DeLaval site include the construction of a deep water boat dock, a transient marina, a public garden, specialty retail space, an office building, a public non-motorized boat lunch, a scenic river walkway and bulkhead, and surface parking.

The purpose of this work plan is to formalize the measures which will be taken to complete a focused feasibility study which will identify the remedial alternative, or alternatives, which will best address the environmental conditions associated with the site. The findings of the focused feasibility study will be presented in a Remedial Alternatives Report (RAR).

As this project is funded in part by the New York State Department of Environmental Conservation (NYSDEC) Environmental Restoration Projects (Brownfields) Program, this work plan has been developed in accordance with Section 5.1 of the May 2002 Municipal Assistance Environmental Restoration Projects "Brownfields Program" Procedures Handbook.

The focused feasibility study for the DeLaval Property will be based on data derived from Phase I and II environmental assessments of the property completed for the City of Poughkeepsie by the Chazen Companies (TCC) in 1999 and 2001, respectively. The Phase I and II reports for the site have been reviewed by the NYSDEC, and the agency is



in general agreement that the data and conclusions presented in the reports have adequately characterized the site for the purposes of the preparation RAR. Based upon NYSDEC's opinion regarding the level of characterization completed to date, no additional investigations are proposed under this work plan. However, after a record of decision (ROD) is issued regarding the remedial alternative or the site, additional investigations may be required in order to refine the design of the remedial program.

This work plan is made up of seven sections, with this introduction being the first. Section 2.0 consists of a description of the site setting and a discussion of the site's history. Section 3.0 summarizes the site investigations conducted to date. Site specific environmental receptors are discussed in Section 4.0. Section 5.0 provides a risk characterization summary, and the proposed actions are discussed in Section 6.0. The references used to complete this work plan are discussed in Section 7.0.

Finally, on behalf of the City of Poughkeepsie, CHA also prepared a Citizen Participation (CP) Plan. The CP Plan was prepared per the conditions of Section 6.1.1 of the referenced handbook and has been submitted to NYSDEC in conjunction with this RAR Work Plan.

# 2.0 SITE SETTING AND HISTORY

# 2.1 Site Description

The property under investigation is identified as a 13.4 acre parcel of land known as the "DeLaval Property" currently owned by the City of Poughkeepsie. The City of Poughkeepsie Assessor's Office identifies this parcel of land as #31-6061-43-752749. The site is an irregularly shaped piece of property located along the Hudson River with a former Sewage Treatment Plant lying to the north, a former oil tank farm to the south, a railroad right-of-way to the east and the Hudson River to the west. The site is located within the Waterfront District zone.

The DeLaval Property is currently a vacant lot. The site is mainly unpaved and almost entirely covered by grass and vegetation. Vegetation is flourishing in most areas of the site, however, during a July 2003 site inspection, a noticeable difference in the type of vegetation was observed in the central portion of the site near the former fuel unloading area. The vegetation in this area appeared to be less dense and different from the surrounding overgrowth vegetation observed on the property. There are presently no buildings on the subject site.

The main entrance to the property is on the northeast portion of the site, at the intersection of Rinaldi Boulevard and Pine Street. A gravel/asphalt road traverses the property, from north to south along the center of the site, parallel to the railroad tracks. Two underground steel pipes were noted at the northwestern edge of the property along the Hudson River. These two steel pipes appear to run below the ground surface from west to east. There is also a 42-inch diameter reinforced concrete pipe observed on the river bank on the northwestern portion of the property running from west to east.

# 2.2 Site Geology

TCC reported that bedrock in the area has been mapped as the Trenton Group and Metamorphic equivalents. These rocks are described as the Taconic Melange, which is a chaotic mixture of Early Cambrian through Middle Ordivician pebble to block-size clasts in a pelitic matrix of Middle Ordovician (Barneveld) age.

The Dutchess County Soil Conservation Survey (SCS) lists Udorthents, smoothed (0 to 8 percent slopes) soil series as being present on the subject property. These soils are described as very deep, somewhat excessively drained to moderately well drained soils that have been altered by cutting and filling.

The surficial deposits encountered during test pitting support the presumption that the site is underlain by fill. Construction debris consisting of concrete, asphalt, bricks, metal piping, garbage, and debris were encountered during soil excavation activities. The depth of the fill material is reportedly two to eleven feet below grade at varying locations across the site.

#### 2.3 Site Topography and Hydrogeology

TCC reported that groundwater movement is often related to topography, lithology, elevation of recharge and discharge areas, and man-made influences. Referenced groundwater elevations have been determined for the site by measuring the monitoring well top of casing relative to mean sea level, measuring the water level in the monitoring well referenced from the top of the casing, and computing the elevation of the ground water at the time of the measurement.

TCC reported that the static depth to ground water at the site ranged from approximately 5 to 7 feet below grade on the DeLaval property, however, groundwater elevation fluctuations are likely a function of tidal changes associated with the Hudson River. The evaluation of groundwater flow and movement was not determined as part of the TCC Phase II Subsurface Investigation. Extreme variations in water levels were observed over short periods of time, further suggesting tidal influences and influences from other factors resulting in changes in the river elevation. Additional long-term water level assessment would be required to evaluate net flow conditions beneath the site.

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Other than the Hudson River, there are no hydrogeologic or man-made barriers that currently contain the contamination on the site.

#### 2.4 Environmental History

TCC reviewed historical maps and other readily available information. Their research indicates that the DeLaval property was occupied by two dwellings, a tannery, a carpenter shop and two coal sheds as well as the DeLaval Separator Company as early as 1887.

Amendments to Sanborn Maps indicate that sometime between 1922 and 1945, the Spoor Lasher Company occupied a storehouse on the property. The Spoor Lasher Company was a supplier of construction materials (concrete, stone, asphalt). Additionally, Nott Manufacturing/Rose Manufacturing, producers of insecticides, may have occupied a portion of the site.

The DeLaval Separator Company manufactured cream separators, milk machines and centrifuges to separate both milk and oil. They were also reportedly involved in the production of automatic milk machines, rubber products and stainless steel farming goods. The DeLaval property was purchased by the City of Poughkeepsie in 1968 from the DeLaval Separator Company. The property is currently vacant.

#### 2.5 Aerial Photographs

TCC reviewed the aerial photographs, taken in the years 1936, 1960, 1962, 1967, 1980, 1985, and 1990. The aerial photographs were analyzed to determine historical land uses and any visual evidence that might suggest that waste disposal activities had taken place on the subject property in the past.

The aerial photograph taken in 1936 shows that the DeLaval Separator Company is clearly visible on the subject property. The 1960 aerial photograph also shows the DeLaval rubber plant located on the Delaval Property.

According to an aerial photograph taken in 1962, the DeLaval property parcel appeared to be almost entirely covered with a large rectangular, one-story building. On the north side of the building at the intersection of Rinaldi Boulevard and Pine Street was a parking lot. A concrete bulkhead ran along the water-front from the northern to the southern tip of the parcel.

The 1967 aerial photographs shows the DeLaval property to be largely vacant, while the 1970 aerial photograph indicates that the DeLaval property as vacant and unvegetated. More specifically, the large building visible in the 1962 photograph no longer exists and there is a small building on the southwest corner of the site.

A 1980 aerial photograph shows that the small building that was located in the southwest corner of the DeLaval property has been demolished and vegetation has begun to take over the site. The 1985 aerial photograph is the same as the 1980 aerial photograph described above, and the 1990 aerial photograph shows that the DeLaval property is still vacant, but that vegetation has grown to be thicker.

# 3.0 SITE INVESTIGATION

TCC completed the investigations conducted to date. The scope of these investigations and their results are presented in their May 2001 Phase II Subsurface Investigation Report. This report was previously submitted to NYSDEC, however, for ease of review, copies of excerpts from the report are included as Appendix A.

The Phase II Subsurface Investigation performed by TCC included a magnetometry survey, a test pit program, a soil boring program, and a groundwater monitoring program. The field activities were conducted in December 2000. A TCC field geologist screened soils for volatile organic vapors (VOVs) with a photo-ionization detector (PID), however, VOVs were reportedly not detected with the PID during field work. However, petroleum odors and/or petroleum sheens were present in many of the test pits. Groundwater was reported at shallow depths (five to seven feet below grade) in many of the test pit locations. The TCC Map included as Appendix B identifies the test pit, boring, and monitoring well locations.

A summary of each component of the investigation is provided below along with a summary of the investigation results.

## 3.1 Magnetometry Survey

A magnetometry survey was conducted to determine the presence of potentially buried underground storage tanks or any other anomalies. This investigation was conducted prior to the intrusive activities at the subject property. Field data was collected along a regularly spaced grid system. Based on the survey, it was determined that numerous magnetic anomalies were present throughout the site.

The survey indicated that buried metallic objects are present on-site, however, plots of the data indicated that there was too much interference to draw significant conclusions. This assumption was confirmed during test pit installation and the visual observation of miscellaneous metal pipes and conduits, miscellaneous scrap metal, construction debris, brick, concrete slab, bottles, roofing materials and wooden railroad ties. Additionally, a set of buried train tracks was found running through the center of the site. The anomaly created by the train tracks was so large that it masked smaller magnetic anomalies within 50 to 100 feet of the tracks.

To the extent practical, test pits were excavated in areas where significant magnetic anomalies were encountered, with the exception of the region surrounding the train tracks.

## 3.2 Test Pit Investigation

TCC selected test pit locations based on topographic features, magnetic anomaly regions and the general layout of the parcel. A total of 119 test pits were installed. Test pits were excavated up to an explored depth of up 14 feet below grade.

Contaminants encountered in the test pits included petroleum-related volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), lead, mercury, cadmium, and chlorinated VOCs, It should be noted that fill material in some test pit locations also included concrete slabs, boulders, brick, trash, discarded industrial products, glass, clay pipe, rusted drums, and a slag-like material. Locations of these contaminants and materials are further identified in Appendix A. Once again, test pit locations are shown in Appendix B.

#### 3.3 Summary of Soil Boring Program

Twenty-eight (28) soil borings, seventeen (17) of which were converted to monitoring wells (MW-1 through MW-17), were installed using a track mounted Geoprobe rig. The location of the borings and piezometers are shown on Figure 2. Soil samples were collected continuously at four-foot intervals and the borings were extended at least until the shallow groundwater table was encountered.

TCC screened the soil samples on-site during drilling for volatile organic vapors (VOVs) using a PID. None of the soil samples exhibited elevated concentrations of VOVs, which suggested that that the observed petroleum staining and odors were the result of heavier fraction hydrocarbons that do not volatize readily.

Soil samples from select borings were collected from the soil/water interface and analyzed for volatile organic compounds (VOCs) via EPA Method 8021 STARS, semivolatile organic compounds (SVOCs) via EPA Method 8270 (Base Neutrals Only), and RCRA Metals via TCLP. Analytical results are discussed in Section 3.5 of this report and the soil quality tables are included in Appendix A.

### 3.4 Summary of Ground Water Monitoring Program

Monitoring wells were installed in seventeen (17) of the borings. These wells were constructed of one-inch diameter Schedule 40 PVC. The wells were developed to improve hydraulic contact with the formation. Between five and ten gallons of water was removed from the wells during purging and development.

Groundwater samples were obtained from the wells and sent to a NYSDOH ELAP certified laboratory. The samples were analyzed for oil and gasoline range compounds using EPA Methods STARS 8021 (VOCs) and/or 8260 and 8270 (SVOCs), respectively. The wells were also surveyed to facilitate the determination of groundwater flow conditions at the site. The results of the groundwater sampling event are described in Section 3.5 and summarized in the groundwater quality tables included in Appendix A.

#### 3.5 Summary of Results

The findings of the TCC Phase II Subsurface Investigation identified four areas of concern (AOCs) with regards to potential environmental issues:

AOC 1: An industrial "landfill" along the southern boundary of the site.

- AOC 2: An area of petroleum-impacted soil and groundwater in the central portion of the site that parallels and approaches the Hudson River.
- AOC 3: An area of petroleum-impacted soils located in the northeastern portion of the property (this site may be an extension of the petroleum-impacted soil and groundwater found nearer to the Hudson River).

AOC 4: An area in the vicinity of the former Paint Shop.

The industrial landfill (AOC 1) located on the southern portion of the DeLaval property contained both volatile and semi volatile petroleum contaminants, lead and mercury. Fill materials were encountered in almost every test pit which included rusted drums, scrap and waste material, milking machine components, concrete slabs, brick, boulders, household trash, glass, clay pipe, and an unidentified slag-like material with a slight sulfur odor.

The two petroleum-impacted areas (AOC 2 and AOC 3) located in the central area and northeastern portion of the DeLaval Property contained petroleum VOCs and petroleum SVOCs. Test pits in these AOCs contain fill material that exhibited petroleum sheens, construction debris, brick, asphalt, concrete slabs, tires, old appliances, metal pipes, and concrete utility vaults.

The area adjacent to the former Paint Shop (AOC 4) contained SVOCs. Subsurface investigations in this AOC suggested that strong solvent-like odors were present, however, confirmatory laboratory testing did not detect any chlorinated VOCs in the soil or groundwater samples collected. The four AOCs were delineated by TCC and are identified on the map included as Appendix C of this Work Plan.

## 4.0 SENSITIVE ENVIRONMENTAL RECEPTORS

CHA researched sensitive environmental receptors in the vicinity of the DeLaval property. The references are listed in Section 7.0 of this Work Plan. The 2000 Census indicated that the City of Poughkeepsie has a population of 29,871 people and occupies an area of 5.14 square miles. The corresponding population density is 5,811 people per square mile based upon 2000 Census data, and upon information obtained from the Dutchess County Website.

#### 4.1 Groundwater and Surface Water Characterization

Aquifer Protection Zones were reviewed for the DeLaval property at the Dutchess County Planning and Development Department by CHA personnel. The water resources map indicated that the property is not in a Zone I, Zone II, or Zone III aquifer area. Furthermore, the site is not located near any wellhead protection areas designated as primary or secondary management areas. In addition, the NYSDEC document entitled "Potential Yields of Wells in Unconsolidated Aquifers in Upstate New York – Lower Hudson Sheet" indicates that there are no state-protected aquifers in the vicinity of the subject site.

The current groundwater characteristics on the subject site are not suitable for a primary drinking water supply. Since the site is located within an industrial/urban area of the City of Poughkeepsie, the groundwater on the site is not expected to be utilized as a potable source. Proposed development plans include the use of potable water provided by a municipally owned public utility.

There are no surface waters located on the property, however, the site is located along the Hudson River. The Hudson River in the vicinity of the subject property is designated as Class A Surface Water. Class A Surface Waters are designated as a source of water supply for drinking, culinary or food processing purposes, primary and secondary contact recreation, and fishing. Surface waters of this classification are suitable for fish propagation and survival.

### 4.2 Wetland and Floodplain Delineation

The federal and state wetlands mapping was reviewed for the subject site and shows that the bank of the Hudson River is considered to be a national wetland area. There were no state regulated wetland areas in the vicinity of the subject site.

The FEMA floodplain mapping for the City of Poughkeepsie indicates that the subject site is located within the 100-year flood plain.

## 4.3 **Public and Private Water Wells**

The Dutchess County Health Department was contacted regarding any private or public water supply wells located in the vicinity of the DeLaval Property. The Dutchess County Health Department has not responded to our request for information, however, based on the location of the subject site, CHA does not anticipate that this site will adversely impact any public or private drinking water supply wells as the site is located adjacent to the Hudson River, and all adjacent properties are either hydraulically up gradient or cross-gradient of the DeLaval site.

## 4.4 Other Sensitive Receptors

The City of Poughkeepsie Assessors Office provided CHA with a list of properties that are located within 200 feet of the DeLaval property. A review of this list of properties indicates that there are no schools, hospitals, day care centers, or retirement homes in the vicinity of the subject site. However, the Hudson River and the aquatic life that it supports is identified as a sensitive environmental receptor relative to the subject site.

## 5.0 RISK CHARACTERIZATION

As part of this RAR Work Plan, CHA has a prepared risk characterization summary for the site-specific conditions associated with the DeLaval Property. This site characterization includes a review of the contaminants of concern within each AOC on the subject site in Section 5.1 and the identification of Exposure Pathways and Routes of Exposure for the site in Section 5.2.

#### 5.1 Contaminants of Concern

The contaminants found on the subject property that would require remedial action include petroleum-related volatile and semi-volatile organic compounds, chlorinated volatile organic compounds (VOCs), contaminated fill material, lead, mercury, barium and cadmium. A review of the contaminants at each area of concern (AOC) identified in Section 3.5 is presented below.

#### AOC 1 -- Landfill Area:

Soils: Benzene was detected in test pit TP-19 above NYSDEC Soil Cleanup Objectives. Other VOCs were detected in test pits and borings in the Landfill Area, however, they did not exceed soil cleanup standards. SVOCs including Benzo [a] anthracene, Benzo [a] pyrene, Benzo [b] fluoranthene, Benzo [k] fluoranthene, Benzo [g,h,i] perylene, Chrysene, Fluoranthene, Indeno [1,2,3-cd] perylene, 2-Methylnaphthalene, Phenanthrene and Pyrene were detected in concentrations that exceed the NYSDEC Soil Cleanup Objectivies.

Groundwater: The concentration of 1,2,4-Trimethylbenzene was detected in the groundwater at MW-9 above NYSDEC groundwater quality standards. All other VOC concentrations were below laboratory method detection limits.

# AOC 2 and AOC 3 – Petroleum Spill Area:

Soils: p-Isopropylbenzene was detected in MW-5 above NYSDEC Soil Cleanup objectives. SVOCs including Acenaphthene and Cyrsene exceeded NYSDEC Soil Cleanup Objectives in MW-5. Other VOCs and SVOCs were detected in test pits and borings in this area, however, the concentrations were below NYSDEC Soil Cleanup Objectives. Visible petroleum product, soil staining and/or petroleum odors were noted in the test pits located in these two areas of concern.

Groundwater: The concentrations of 1,2,4-Trimethylbenzene and Naphthalene were detected in the groundwater at MW-2 above NYSDEC groundwater quality standards. All other VOCs in this monitoring well were found to be below NYSDEC groundwater quality standards.

# AOC 4 – Former Paint Shop Area:

Soils: SVOCs including Anthracene, Benzo [a] anthracene, Benzo [a] pyrene, Benzo [b] fluoranthene, Benzo [g,h,i] perylene, Benzo [k] fluoranthene, Chrysene, Fluoranthene, Phenanthrene, and Pyrene were above NYSDEC soil cleanup objectives. During field activities a noticeable solvent odor was noted in the test pits located in this area of concern, however, soil samples tested negative for chlorinated VOCs in this area.

Groundwater: VOCs were not detected above NYSDEC groundwater quality standards in this area of concern.

# 5.2 Exposure Pathways and Routes of Exposure

**Soil:** Since the majority of the site is not paved and the soil contamination is fairly close to the surface, the contact with surficial soils would represent a potential exposure pathway for the contaminants of concern on the subject property. Possible routes of exposure for the soil contamination would be ingestion of contaminated dusts/soils,

and/or inhalation of contaminated dusts or vapors from soils displaced during construction.

**Groundwater and Surface Water:** Exposure to the groundwater may occur through the existing monitoring wells on-site, however, this is an unlikely event, as locking caps require special tools to gain access to the monitoring wells and exposure to the groundwater. It is also possible that construction personnel will come in contact with site groundwater in the event dewatering is required during the course of the planned improvements. Finally, contaminated groundwater can migrate to the Hudson River which is located adjacent and to the west of the subject site. Possible routes of exposure for contaminated groundwater and/or surface water include ingestion and skin adsorption into the body.

**Soil Gases:** Contaminants from the soil and groundwater can partition into the soil gases in the vadose zone and migrate along underground utility lines and monitoring well piping to the ground surface. The possible route of exposure for contaminated soil gases is limited to inhalation.

The contamination currently present on-site does appear to pose an unacceptable risk to public health and the surrounding environment based on the existing site conditions at the DeLaval property. Although most of the contamination was observed in the soil media, the potential for migration of the contamination on-site to the Hudson River may exist.

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## 6.0 **PROPOSED ACTIONS**

#### 6.1 Potential Remedial Options & Site Requirements

As stated, the City of Poughkeepsie proposes to complete a focused feasibility study relative to the remediation/management of the AOCs identified at the DeLaval site. The results of the focused feasibility study will be presented in the RAR which will summarize the study, and will enable the NYSDEC to develop a Proposed Remedial Action Plan (PRAP) for the Site and to ultimately issue a Record of Decision (ROD) for the remediation of the DeLaval Property following a mandated public comment period. After the ROD is issued, the City of Poughkeepsie intends to apply for cleanup funding under NYSDEC's Brownfield/Environmental Restoration Program, possibly as an extension to the City's existing grant.

The RA Report will be prepared in accordance with Section 5.4 and Appendix 1 of the May 2002 Municipal Assistance Environmental Restoration Projects "Brownfields Program" Procedures Handbook. In preparation of the report, alternatives will be considered in an iterative fashion, and as stated in Section 1.0, existing data will be used to develop and screen alternatives.

CHA has begun to and will continue to develop potential remedial action alternatives that may be used to clean up the property and limit future on- and off-site exposure/impacts associated with the property. Some of the remedial alternatives that have been developed and will be considered further are listed below.

- 1. Removal and proper management/disposal of petroleum product/impacted soils from AOC 2 and AOC 3.
- 2. Removal and proper management/disposal of contaminated soils and fill materials from each of the four AOCs described in this Work Plan.

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- 3. Removal and proper management/disposal of underground piping located on the northern portion of the property.
- 4. Capping the property with one to three feet of clean fill material with managed vegetation and paved public use areas.
- 5. Treatment of contaminated groundwater in areas where groundwater concentrations exceed NYSDEC groundwater quality standards.

These and other response actions will initially be defined during the development of alternatives. An initial determination of areas or volumes of each medium of interest will also be defined.

The remediation and ultimate development of the DeLaval site will be completed in concert with the remediation and development of the adjacent property to the north, the former site of the City's wastewater treatment plant. The remediation of the adjacent site is being conducted by others under the NYSDEC's Voluntary Cleanup Program (VCP). It is understood that concerns regarding the management of storm water on both sites have arisen due to the relatively flat and narrow characteristics of the DeLaval site in particular.

As a result, the general remedial approach and the specifics associated with the design of the remedial program will be coordinated with VCP site's consultant to ensure that the remedial approach and program address the storm water requirements for the development, while still being protective of human health and the environment. This cooperative approach to the remediation and development of these sites will ensure that the storm water management and remedial programs are implemented in an efficient manner.

Finally, it should be noted that the site characterization work completed to date relative to the DeLaval site did not include sampling of the sediments of the Hudson River. While soil and ground water data suggests that significant contaminant migration from the site to the river is unlikely, the remedial program will incorporate provisions to

characterize/address contaminant migration pathways and associated impacted sediments that are discovered during the course of the implementation of the remedial program. This issue will be addressed in the RAR, and it is anticipated that the requirement to characterize and remediate significantly impacted sediments from obvious on-site sources will be incorporated into the remedial alternative specified in the ROD.

As stated in Section 1.0, a scenic river walkway and bulkhead are prominent components of the redevelopment plan. It is anticipated that the only area of the site with the potential for contamination to enter the river is associated with the western limit of AOC 2. The shoreline of the site in the vicinity of AOC 2 has been inspected a number of times at varying tidal stages in recent years, and no visual or olfactory evidence of impact has been noted. However, in keeping with the requirement stated above, prior to construction of the walkway and bulkhead, visually impacted sediments will be characterized.

### 6.2 Evaluation Process

A detailed evaluation will then be conducted relative to the alternatives. That evaluation will consider the factors identified in 6 NYCRR 375-1.10(c)(1-7). Per the referenced guidance, the following evaluation criteria will be considered to evaluate technical and policy considerations that will be utilized to select the remedial alternatives:

- 1. Overall protection of human health and the environment
  - a. Exposure to human health and the environment after the remediation.
  - b. Residual public health risks after the remediation.
  - c. Residual environmental risks after the remediation.
- 2. Compliance with Standards, Criteria, and Guidance (SCG)
- 3. Short-term effectiveness
  - a. Protection of community during remedial actions.
  - b. Environmental impacts.
  - c. Time to implement the remedy.
- 4. Long-term effectiveness and permanence.

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- a. Lifetime of remedial actions.
- b. Residual risks.
- c. Adequacy and reliability of controls.
- 5. Reduction of toxicity, mobility and volume.
  - a. Volume of hazardous substances reduced.
  - b. Reduction in mobility of hazardous substances.
  - c. Irreversibility of the destruction or treatment.
- 6. Implementability
  - a. Suitable to site conditions.
  - b. Consideration of implementability.
  - c. Availability of Services and Materials.
  - d. Consideration of cost-effectiveness.
- 7. Cost
- 8. Community Acceptance.

The alternatives will initially be screened to determine if they meet the first two criteria. Only alternatives passing the initial screening will be analyzed against the next five criteria and compared to one another to determine the most protective and cost effective remedy. The eighth criterion, community acceptance, will be evaluated by the NYSDEC at the conclusion of the public comment period.

After the detailed analysis of alternatives is completed, the RA Report will be submitted for NYSDEC review. As stated, the RA Report will include a summary of proposed remedial goals, and each of the alternatives will be evaluated relative to these goals. The RA Report format will be consistent with the format suggested in Appendix A of the referenced handbook.

# 7.0 REFERENCES

- Procedures Handbook; New York State Department of Environmental Conservation; 1996 Clean Water/Clean Air Bond Act Environmental Restoration Projects – Title 5.
- 2. The Chazen Company (TCC) Phase I Environmental Site Assessment; December 28, 1999.
- 3. The Chazen Company (TCC) Phase II Subsurface Investigation Report; May 2001
- 4. Water Supply Protection Plan for Dutchess County; Horsley Witten Hegemann, Inc.; p. 3-56 to 3-58; October 1992.
- 5. Final Report: Water Resources Study for Dutchess County; Robert G. Gerber; June 1982.
- 6. Potential Yields of Wells in Unconsolidated Aquifers in Upstate New York Lower Hudson Sheet; Edward F. Buliosi and Ruth A. Trudell; NYSDEC; 1988.
- 7. Water Quality Regulations, Surface Water and Groundwater Classifications and Standards; NYSDEC; September 1, 1991.
- 8. City of Poughkeepsie Tax Assessors Office; Contacted in person on July 15, 2003.
- 9. Dutchess County Planning and Development Department; Contacted in person on July 15, 2003.
- National Wetlands Inventory Maps, NYSDEC Wetlands Maps, and FEMA Floodplain Maps; Combined GIS map prepared by CHA personnel on July 16, 2003.
- 11. Dutchess County Health Department; Contacted by Phone on July 14, 2003.

# APPENDIX A

Select Sections of the TCC Phase II Subsurface Investigation Report

Phase II Subsurface Investigation

DeLaval Property Rinaldi Boulevard Poughkeepsie, New York

May 2001



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Phase II Subsurface Investigation DeLaval Property Poughkeepsie, New York

#### EXECUTIVE SUMMARY

The Chazen Companies (TCC) conducted a Phase I Environmental Site Assessment (ESA) in October of 1999 of the property known as the DeLaval property for a private developer who was working with the City of Poughkeepsie. The Phase I ESA identified a number of recognized environmental conditions that required additional characterization to define the environmental liability associated with the property. The site was previously used for manufacturing purposes and the potential for soil and groundwater impacts existed. A Phase II Subsurface Investigation was required to define the nature and extent of the potential environmental problems associated with the property.

Several tasks were identified, focusing on whether historical activities had adversely impacted soil and/or groundwater at the site. A magnetometry investigation was conducted to determine if old tanks, piping and/or any other anomalies were present. Soil borings, piezometer monitoring wells and test pits were installed throughout the site to determine if historical site activities had impacted soil and/or groundwater quality. Samples were obtained from soil borings, piezometer wells and test pit locations and submitted for laboratory analysis. Representative soil samples were submitted for laboratory analysis according to EPA Methods 8021, 8270, Volatiles TCL, Semi-volatiles TCL, RCRA Metals, and Cyanide. Samples were selected based on field screening results and visual observations.

The findings of the investigation identified four areas with potential environmental issues. These are: 1) an industrial landfill along the southern boundary; 2) an area of petroleum-impacted soil and groundwater in the central portion of the site that parallels the Hudson, 3) an area of petroleum-impacted soils located in the northeastern portion of the property (this site may be an extension of the petroleum-impacts found adjacent to the Hudson) and 4) an area adjacent to the former Paint Shop.

At almost every test pit or boring advanced on the property, miscellaneous construction and demolition debris including brick, concrete slabs, tires, utility tunnels and other miscellaneous fill material of unknown origin were encountered. It is possible that when the site was abandoned, the buildings were knocked down and buried in place and covered with fill.

A portion of the southern portion of the site contains crushed drums, chemical residue, discarded or flawed industrial products, metal pipes, automobile parts, construction and demolition debris, trash and wooden railroad tiles. Conversations with a former DeLaval worker identified this region as an area that was used to dispose industrial waste products.

The primary contaminant was petroleum related. There were heavy metal compounds found throughout the site but at levels that would not be unexpected considering the industrial history of the facility. Soil samples taken from the four areas indicated that semi-volatile compounds characteristic of a heavier fuel oil or cutting oil were present above the NYSDEC soil cleanup guidance values. Benzene was detected in test pit TP-19, at levels that exceeded the NYSDEC cleanup criteria; TP-19 is located in the industrial waste disposal area. Benzene is characteristic of gasoline, not fuel oil.

The petroleum impacts are at actionable levels. Although metals were found at levels that exceeded the NYSDEC's soil cleanup guidance values listed in TAGM 4046, remediation of the metal impacts is not anticipated. The metal impacted soil is buried deeply below the ground surface and exposure routes are non-existent. Additionally, the levels of metals found in the soil samples are not inconsistent with those found in other city environments.

Buried organic debris and/or construction/residential debris may be unsuitable for construction purposes and could require removal during construction and replacement with construction grade fill. The construction and demolition debris could be crushed and reworked into suitable construction grade fill.

This report outlines the methods and findings of the investigation. This report includes a description of each task conducted, a description of the conditions encountered during the investigation, analytical data, study results, boring logs, and a location map showing the parcel investigated in this study.

# **1.0 INTRODUCTION**

The Chazen Companies, Inc. (TCC), on behalf of the City of Poughkeepsie (City), have conducted a Phase II Subsurface Investigation of the DeLaval property located at the end of Rinaldi Boulevard, City of Poughkeepsie, New York. The purpose of the investigation was to determine if historical use of the property had adversely impacted soil and/or groundwater quality at the site.

The Subsurface Investigation conformed to the extent physically possible with the scope of work outlined in TCC's proposal to the City dated November 20, 2000, and approved on November 29, 2000. Substantially more tests pits were required than originally anticipated due to the nature, magnitude and extent of the problems encountered during the assessment.

#### 2.0 SITE DESCRIPTION

#### 2.1 Site Description

The site consists of an approximate 13.4-acre parcel located on the northern side of Pine Street in Poughkeepsie, New York. The parcel is bounded on the east side by Con Rail Corporation train tracks, to the north by the former City of Poughkeepsie Sewage Treatment Plant and to the west by the Hudson River (Figure 1). The site is identified as TAX ID #31-6061-43-752749 on the City of Poughkeepsie, Dutchess County Tax Maps (Figure 2). According to the United State Geological Survey (USGS) Poughkeepsie, New York Quadrangle Map (Figure 1), the site lies at an approximate elevation of approximately 4 feet above mean sea level (msl), sloping gently westward towards the Hudson River.

The DeLaval property is currently a vacant lot. The site is mainly unpaved and almost entirely covered by grass. The main gate to the property is on the northeast side of the site, at the foot of Rinaldi Boulevard and Pine Street. A gravel road transverses the property, from north to south along the eastern edge of the site, parallel to the railroad tracks.

#### 2.2 Site Geology

Bedrock in the area has been mapped as the Trenton Group and Metamorphic equivalents. These rocks are described as the Taconic Melange, which is a chaotic mixture of Early Cambrian through Middle Ordivician pebble to block-size clasts in a pelitic matrix of Middle Ordovician (Barneveld) age. The Dutchess County Soil Conservation Survey (SCS) lists Udorthents, smoothed (0 to 8 percent slopes) soil series as being present on the subject property. These soils are described as very deep, somewhat excessively drained to moderately well drained soils that have been altered by cutting and filling.

The surficial deposits encountered during test pitting support the presumption that the site is underlain by fill. Construction debris consisting of concrete, asphalt, bricks, metal piping, garbage, and debris were encountered during soil excavation activities. The fill material was approximately 2 feet to approximately 11 feet bgs.

#### 2.3 Site Groundwater and/or Water Well Data

Groundwater movement is often related to topography, lithology, elevation of recharge and discharge areas, and man-made influences. Referenced groundwater elevations have been determined for the site by measuring the monitoring well top of casing relative to mean sea level, measuring the water level in the monitoring well referenced from the top of the casing, and computing the elevation of the ground water at the time of the measurement.

The average static depth to ground water at the site ranged from approximately 5 to 7 feet bgs on the DeLaval property, however, groundwater elevation fluctuations are likely a function of tidal changes associated with the Hudson River. Realistic evaluation of groundwater flow and movement was not determined as part of this assessment. Extreme variations in water levels were observed over short periods of time. The fluctuations were directly correlated to changes in the river elevation. Additional long-term water level assessment would be required to evaluate net flow conditions beneath the site.

#### **3.0 ENVIRONMENTAL HISTORY**

Review of historical maps and other readily available information indicates that the DeLaval property was occupied by two dwellings, a tannery, a carpenter shop and two coal sheds as well as the DeLaval Separator Company as early as 1887. Amendments to Sanborn maps indicate, that sometime between 1922 and 1945, Spoor Lasher Company occupied a storehouse on the property. Spoor Lasher Company was a supplier of construction materials (concrete, stone, asphalt). Additionally, Nott Manufacturing/Rose Manufacturing, producers of insecticides, may have occupied a portion of the site. The DeLaval Separator Company was involved in the manufacturing of cream separators, milk machines and centrifuges to separate both milk and oil. They were reportedly involved in the production of automatic milk machines, rubber products and stainless steel farming goods. The property is currently vacant.

## **4.0FIELD INVESTIGATION**

Subsurface investigation and other site evaluation activities were conducted at the subject property on December 5 & 6, 2000. The Underground Facilities Protection Organization (UFPO) was contacted for a site utilities mark-out prior to the start of the investigation. An independent utility locator was needed to mark out the high voltage lines to the east and south of the maintenance building. UFPO constrains its mark-outs to public roadways and utility right of ways.

#### 4.1 Health and Safety Plan

The site specific health and safety plan was developed prior to site mobilization. The health and safety plan focused on the intended investigation methods and potential hazards associated with working in the study area. A copy of this Health and Safety Plan is included as Appendix A. Prior to entering the site and conducting subsurface investigations, the Underground Facilities Protection Organization (UFPO) was called to mark out the underground utilities on site. UFPO would not mark out the utilities in the interior portions of the property so an independent mark-out service (Pro-Mark, Inc.) was contacted to locate the utilities within the property boundaries.

#### 4.2 Magnetometry Survey

A hand-held magnetometer was used on-site to evaluate the existence of potentially buried underground storage tanks or any other anomalies. This investigation was conducted prior to the occurrence of any intrusive activities at the subject property. Field data was collected along a regularly spaced grid system. Based on the survey, it was determined that numerous magnetic anomalies were present throughout the site. The site was essentially riddled with metallic objects and plots of the data were meaningless. This assumption was confirmed during test pit installation and the visual observation of miscellaneous metal pipes and conduits, miscellaneous scrap iron, construction debris, brick, concrete slab, bottles, roofing materials and wooden railroad ties. Additionally, a set of buried train tracks was found running through the center of the site. The anomaly created by the train tracks was so large that it masked smaller magnetic anomalies within 50 to 100 feet of the tracks. To the extent practical, test pits were excavated in areas where significant magnetic anomalies were encountered, with the exception of the region surrounding the train tracks.

### 4.3 Test Pit Investigation

TCC selected test pit locations based on topographic features, magnetic anomaly regions and the general layout of the parcel. We had initially anticipated installing approximately 40 test pits but conditions encountered in the field dictated that additional test pits were necessary to dimension the nature and extent of the problems encountered in the field. A total of one hundred and nineteen (119) test pits were installed to determine if historical site conditions had impacted soil and/or groundwater quality at the site. Test pit locations are shown on Figure 3 and test pit logs are included in Appendix B.

GAP Excavating and Grading of Highland, New York advanced the test pits using a Komatsu PC 2000 Excavator between December 7 through 26, 2000. A Chazen geologist observed the test pitting activities, performed field screening, maintained the field log and collected representative samples as warranted. Test pits were excavated to depths up to fourteen (14) feet below ground surface (bgs). In some cases, the test pits were terminated due to the presence of concrete slabs, bedrock refusal or visual observations, such as the discovery of an old oil conduit that contained some residual product. Groundwater was encountered throughout the site at an approximate depth of 5 to 7 feet below ground surface.

A TCC field geologist screened the soils in the field with a PID for the presence of VOCs. The field screening did not detect the presence of volatile organics; however, a strong odiferous petroleum odor was detected in numerous test pits across the site including TP-2, TP-3, TP-4, TP-6, and TP-13, which were located in the former industrial landfill area and TP 32, TP-40, TP-46, TP-47, TP-48, TP-49, TP-53, TP-54, TP-62, TP-63, TP-64, TP-67, TP-68, TP-71, TP-72, TP-73, TP-76, TP-77, TP-86, TP-87, TP-89 and TP-90, located in areas were petroleum bulk storage occurred or along petroleum distribution lines or utility tunnels. Some isolated pockets of what appeared to be crushed coal were observed in TP-54, TP-63, TP-68 and TP-82. A strong odiferous solvent type odor was detected in TP-103, TP-104, TP-107, TP-108, TP-109, TP-110 and TP-111, which were located near the former paint shop.

Groundwater was encountered at shallow depth across much of the site. Visible petroleum sheens were observed in test pits TP-46, TP-47, TP-48, TP-49, TP-53, TP-54, TP-62 and TP-89. A six-inch metal pipe was found in test pit TP-54 running from the loading dock on the Hudson River (west) to the east. The pipe appeared to contain weathered #4 or #6 fuel oil.

Soil samples were taken from select test pits and representative samples were sent to a NYSDOH ELAP certified laboratory. Soil samples were selectively analyzed for volatile organic compounds (VOCs) via EPA Method 8021 and/or 8260, semi-volatile organics via EPA Method 8270, and RCRA Metals. A sample of the product collected from test pit TP-54 was submitted to York Analytical Laboratories for fingerprint analysis.

# 4.4 Confirmatory Borings/Monitoring Well Installation

Twenty-eight (28) soil borings, seventeen (17) of which were converted to monitoring wells (MW-1 through MW-17), were installed using a track mounted Geoprobe rig. The location of the borings and piezometers are shown on Figure 3. Soil samples were collected continuously at four-foot intervals and the borings were extended at least until the shallow groundwater table was encountered.

TCC screened the soil samples on-site during drilling for volatile organic compounds (VOCs) using a photoionization detector (PID). Prior to use, the PID was calibrated using 100 parts per million (ppm) isobutylene standard. The screening procedure consisted of placing a relatively uniform volume of soil into a zip-lock bag, sealing and then shaking the bag to enhance volatilization. The probe of the PID was inserted into the bag through a small opening and the concentration of VOCs in the headspace above the soil sample was read. This method is qualitative and the readings are not compound specific. None of the soil samples exhibited elevated concentrations of VOCs, which suggested that that the observed petroleum staining and odors were the result of heavier fraction hydrocarbons that do not volatize readily.

Soil samples from select borings were collected from the soil/water interface and analyzed for volatile organic compounds (VOCs) via EPA Method 8021 STARS, semi-volatile organics via EPA Method 8270 (Base Neutrals Only), and RCRA Metals via TCLP. Analytical results are discussed in Section 5.0 and the results are included in Appendix C of this report.

## 4.5 Monitoring Well Sampling

Monitoring wells were installed in seventeen of the borings. These wells were constructed of one-inch diameter Schedule 40 PVC. The wells were developed to improve hydraulic contact with the formation. Between five and ten gallons of water was removed from the well during purging and development.

Confirmatory groundwater samples were obtained from the wells and sent to a NYSDOH ELAP certified laboratory. The samples were analyzed for oil and gasoline range compounds using EPA Methods STARS 8021 (VOCs) and/or 8260 and 8270 (SVOCs), respectively. The wells were also surveyed to facilitate

determination of groundwater flow conditions at the site. The results of the ground water sampling event described in Section 5

## 5.0RESULTS

## 5.1 Test Pit Analytical Results

The dimensions of the impacted soils are outlined on Figure 4. Four distinct areas were identified as a result of visual and laboratory confirmation.

#### Industrial Landfill Area

The materials encountered in the test pits varied but were primarily man-made fill material mixed with sand and gravel containing varying percentages of silt and clay. The man-made fill consisted mainly of concrete slab, boulders, brick, trash, numerous discarded industrial products from DeLaval, glass, clay pipe, unidentified slag-like material with a slight sulfur odor and other construction debris. Empty 55-gallon badly weathered or rusted drums and drum carcasses were observed in test pit TP-7 and 9. Other isolated pockets of construction debris and/or refuse were encountered in the test pits at the southern portion of the site (TP-1 through TP-16). Organic debris and/or industrial/manufacturing debris was also encountered in this area.

The material encountered in the waste burial zone may be unsuitable fill or subbase material for construction purposes. This buried industrial waste material is also mixed with petroleum compounds and is likely to require remediation under NYSDEC guidelines. The impacted area covers approximately 1.5 acres.

Representative samples from the industrial landfill area were collected for laboratory analysis from TP-1, TP-2, TP-5, TP-7, TP-12, TP-15, TP-18, TP-19, TP-11, and TP-28. The samples collected from the test pits TP-1, TP-12, TP-15, TP-18, and TP-19 were submitted for volatile organic compounds via EPA Method 8021 List. Samples taken from TP-2, and TP-7 were submitted for volatile organic analysis according to EPA Method 8260. TP-1, TP-15 and TP-19 were submitted for EPA Method 8270 for semi-volatiles. Soil samples collected from test pits TP-2, TP-5, TP-7, TP-12, TP-18 and TP-28 were analyzed for RCRA Metals via TCLP. The samples were selected based on PID readings, olfactory and/or visual observations. The test pit sampling results are summarized in Table 1 and the laboratory report is included in Appendix C.

Soil samples collected from TP-2, TP-5, TP-7 TP-12, TP-18 and TP-28 were analyzed for RCRA Metals via TCLP. Review of the laboratory data indicates that Lead and

Mercury was detected in the soil samples collected from test pits TP-5, TP-7, TP-12, TP-18 and TP-28. Cadmium was detected in the soil samples collected from TP-2 and TP-7.

Review of the EPA Method 8021 and/or 8260 analytical results for the test pit samples, indicates that no volatile organic compounds above the laboratory reporting limit were detected in the soil samples collected from test pits TP-1, or TP-18. Volatile organic compounds were detected in the soil samples collected from TP-7, TP-15 and TP-19 however, Benzene was the only compound detected in TP-19 (160 ug/kg) above NYSDEC Soil Cleanup Objectives. The remaining compounds detected were below NYSDEC Soil Cleanup Objectives list in TAGM 4046. None of the VOCs were chlorinated solvents or their breakdown products.

Semi-volatile organic compounds detected in the soil sampled collected from TP-2 above NYSDEC Soil Cleanup Objectives included Benzo [a] anthracene (2,400 ug/kg), Benzo [a] pyrene (7,100 ug/kg), Benzo [b] fluoranthene (2,900 ug/kg), Benzo [k] fluoranthene (3,200 ug/kg), Chrysene (2,800 ug/kg), Fluoranthene (2,600 ug/kg), and Pyrene (2,600 ug/kg).

Semi-volatile organic compounds detected in the soil sampled collected from TP-5 above NYSDEC Soil Cleanup Objectives included Benzo [a] anthracene (430 ug/kg), Benzo [a] pyrene (1,200 ug/kg), Benzo [b] fluoranthene (500 ug/kg), Benzo [k] fluoranthene (550 ug/kg). Chrysene (450 ug/kg), Fluoranthene (620 ug/kg), and Pyrene (540 ug/kg) were detected; however, these concentrations fall below NYSDEC Soil Cleanup Objectives.

Semi-volatile organic compounds detected in the soil sampled collected from TP-7 above NYSDEC Soil Cleanup Objectives included Benzo [a] pyrene (2,600 ug/kg), Benzo [b] fluoranthene (1,900 ug/kg), Benzo [g, h, I] perylene (1,900 ug/kg), Benzo [k] fluoranthene (2,100 ug/kg), Fluoranthene (1,700 ug/kg), Indeno [1,2,3-cd] pyrene (1,700 ug/kg), and Pyrene (2,000 ug/kg).

Semi-volatile organic compounds detected in the soil sampled collected from TP-12 above NYSDEC Soil Cleanup Objectives included Benzo [a] anthracene (610 ug/kg), Benzo [a] pyrene (630 ug/kg), Benzo [b] fluoranthene (500 ug/kg), Benzo [k] fluoranthene (550 ug/kg), and Chrysene (690 ug/kg). Fluoranthene and Pyrene were detected in the soil sample collected from test pit TP-12 at 590 ug/kg and 910 ug/kg, respectively. These compounds were detected at concentrations below NYSDEC soil guidance values.

Semi-volatile organic compounds detected in the soil sampled collected from TP-15 above NYSDEC Soil Cleanup Objectives included Benzo [a] anthracene (1,700 ug/kg), Benzo [a] pyrene (1,900 ug/kg), Benzo [b] fluoranthene (1,800 ug/kg), Benzo [k] fluoranthene (1,600 ug/kg), Chrysene (2,200 ug/kg), Fluoranthene (3,000 ug/kg), Phenanthrene (3,900 ug/kg) and Pyrene (2,700 ug/kg).

Semi-volatile organic compounds detected in the soil sampled collected from TP-19 above NYSDEC Soil Cleanup Objectives included 2-MeMethylnaphthalene (7,900 ug/kg), Fluorene (3,500 ug/kg) and Naphthalene (3,300 ug/kg).

#### <u>Petroleum Spill Areas</u>

Two areas of petroleum-impacted soil were found in the central portion of the site (Figure 4). Soils observed in the test pits were visually stained and had a noticeable petroleum odor. Samples taken from TP-49, TP-58, and TP-89 were submitted for VOC analysis using EPA Method 8021 and for SVOCs using EPA Method 8270. The samples were selected based on PID readings, olfactory and/or visual observations. The test pit sampling results are summarized in Table 1 and the laboratory report is included in Appendix C.

Review of the EPA Method 8021 and/or 8270 analytical results for the test pit samples, indicates that no VOCs above the laboratory reporting limit were detected in the soil samples taken from TP-49. Trichloroethylene was detected in TP-58 at 10 ppb, which is well below the NYSDEC's Soil Cleanup Guidance Value listed in TAGM 4046. Trimethylbenzene (1,2,4-TMB) was encountered at 6 ppb in TP-89, also below actionable levels.

Semi-volatiles were encountered in these test pits. Product was detected in these test pits. Although the analytical data indicates that no semi-volatile organic compounds were detected in the soil sample collected from TP-58, the Method Detection Limit (MDL) was significantly high as a result of the laboratory's dilution process. Visual field observations indicate the soils were heavily stained. Petroleum sheen was also observed on the groundwater in this test pit.

#### Paint Shop Area

Semi-volatile organic compounds detected in the soil sampled collected from TP-101 above NYSDEC Soil Cleanup Objectives included Anthracene (400 ug/kg), Benzo [a] anthracene (1,200 ug/kg), Benzo [a] pyrene (2,300 ug/kg), Benzo [b] fluoranthene (900 ug/kg), Benzo (g,h,I)perylene (430 ug/kg), Benzo [k] fluoranthene (1,200 ug/kg), Chrysene (1,300 ug/kg), Fluoranthene (2,500 ug/kg), Phenanthrene (1,400 ug/kg) and Pyrene (2,300 ug/kg). No chlorinated solvents were encountered in the samples taken from this area; however, there was a strong solvent like odor observed in this

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region. The odor may have been related to used paint or degraded petroleum products.

#### 5.2 Confirmatory Boring Results

Soil borings were installed during the course of this investigation to facilitate the installation of groundwater monitoring points. Wells were usually installed in the locations where impacts were observed. Confirmatory samples from SB-1, SB-8, MW-3, MW-5, MW-9 and MW-12 were collected during the investigation. Soils samples from SB-1, SB-8 and MW-9 were analyzed for RCRA metals via TCLP. Results indicate the presence of Barium, Lead and Mercury. Cadmium was only detected in the soil sample collected from MW-3. Soil samples collected from MW-5, MW-9 and MW-12 were analyzed for volatile and semi-volatile organics according to EPA Method 8021 and 8270 STARS, respectively.

Several gasoline range compounds were encountered in the soil sample collected from MW-5. These compounds included: Isopropylbenzene (150 ug/kg), n-Apple > Propylbenzene (26 ug/kg), n-Butylbenzene (47 ug/kg), p-Isopropyltoluene (51 ug/kg), sec-Butylbenzene (44 ug/kg), tert-Butylbenzene (16 ug/kg), Toluene (10 ug/kg) and Xylene (24ppb), were all detected; however, p-Isopropylbenzene was the only compound to exceed the NYSDEC soil guidance values.

Several gasoline range compounds were encountered in the soil sample collected from MW-12. These compounds included: 1,24-Trimethylbenzene (5 ug/kg), 1,3,5-Trimethylbenzne (5 ug/kg), and Isopropylbenzene (9 ug/kg); however, none of these concentrations exceed the NYSDEC soil guidance values.

Several gasoline range compounds were encountered in the soil sample collected from MW-9. These compounds included: 1,24-Trimethylbenzene (13 ug/kg), 1,3,5-Trimethylbenzne (10 ug/kg), Isopropylbenzene (16 ug/kg), Xylenes (86 ug/kg), sec-Butylbenzene (15 ug/kg), and Toluene (12 ug/kg); however, none of these concentrations exceed the NYSDEC soil guidance values.

Several fuel oil range compounds were encountered in the soil sample collected from MW-5. These compounds included: Acenaphthene (740 ug/kg), Chrysene (1,200 ug/kg), Fluorene (800 ug/kg) and Pyrene (490 ug/kg). Acenaphthene and Chrysene did exceed NYSDEC soil guidance values. Semi-volatile organic compounds were not detected above the laboratory-reporting limit in any of the other samples. It should be noted that the method detection limit (MDL) in the soil sample collected from MW-9 was above the recommended MDL for the EPA Method 8270 methodology. Based on the laboratories MDL, the lowest possible detection limit for

many of the compounds was 1,700 ug/kg. These results therefore do not indicate that the soil in MW-9 meets soil guidance values.

The soil boring sampling results are summarized in Table 2 and the laboratory report is included in Appendix C.

5.3 Shallow Groundwater Monitoring Well Results

Groundwater was free of impacts, based on visual observations with the exception of groundwater in those areas where free product was encountered. The groundwater impacts were not widely distributed and appeared to be concentrated in those areas where the soils were significantly impacted with petroleum.

Groundwater samples were taken from monitoring wells MW-1 through MW-17 and sent to a NYSDOH ELAP certified laboratory and analyzed for gasoline and oil range compounds. No sample was submitted from MW-12, as the well was dry. Some fuel oil and gasoline range compounds were detected above NYS groundwater quality standards in two of the groundwater wells.

Several gasoline range compounds were encountered in MW-3. These compounds included: Napthalene (79 ppb), and 1,2,4-Trimethylbenzene were detected at levels that exceed the NYS groundwater quality standards (6 NYCRR Part 703).

1,2,4-Trimethylbenzene was the only compound detected at levels that exceed the NYS groundwater quality standards (6 NYCRR Part 703) in MW-9. The well sampling results are summarized in Table 3 and the laboratory report is included in Appendix C.

#### 6.0 SUMMARY AND CONCLUSIONS

6.1 Summary

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The results of the magnetometry, test pit and soil boring investigations revealed the past industrial history of the DeLaval property. The impacts are limited to four main areas of the site. An old industrial landfill in the southern portion of the site, two areas of oil impacts in the central portion of the site and finally the former paint shop area. Each of these has impacts associated with it; however, with the exception of some areas where free product was observed, impacts to groundwater were limited.

The problems seemed to be limited primarily to the on-site soils. The problems manifest in two different arenas. Large quantities of old foundations, evidence of

refuse dumping, tires, construction and demolition debris, scrap iron, automobile parts, metal and clay pipes, unidentified slag-like debris, crushed drums and other industrial waste products were found throughout the site.

The groundwater investigation indicated petroleum impacts; however, the concentrations in groundwater did not reflect the observations and analytical data observed in the soils. Groundwater mitigation is not likely to be a major component of any remediation scenario but any free product encountered during remediation or construction activities should be contained and controlled.

#### 6.2 Nature and Extent of Contamination

#### <u>The Industrial Landfill</u>

The materials encountered in the test pits dug on the southern side of the DeLaval site varied. There was evidence that this area of the property was used for the disposal of scrap and waste material generated during manufacturing activity. Crushed drums and waste milking machine components were found in addition to concrete slabs and brick, boulders, brick, household trash, glass, clay pipe, unidentified slag-like material with a slight sulfur odor and other construction debris. Empty 55-gallon weathered drums were observed in test pit TP-7 and 9.

The industrial landfill area was probably a depression that was filled over time. It is suspected that the petroleum products observed in this area were generated as part the manufacturing process. Petroleum compounds were found at actionable levels in the industrial landfill area. Visually impacted soils are defined in Figure 4. The boundaries are conservatively drawn, however, similar observations were made in many of the test pits in this region. In some cases petroleum-impacted soils were not encountered but scrap material like used tires, junk machinery and car parts and other waste materials were identified. Some materials consistent with putrescible wastes were found at various locations in the landfill area. The impacted area probably covers less than 1.5 acres.

Benzene was the only volatile organic compound identified in the soil samples taken from the landfill area above the action levels. It is commonly associated with gasoline but is a component of paints and is used straight as a solvent. Semi-volatile organic compounds were identified at levels above NYSDEC soil guidance values (Figure 4). These compounds are commonly associated with heavier petroleum hydrocarbons such as cutting or fuel oil.

Levels of certain heavy metals were encountered in several locations throughout the site. This part of Poughkeepsie was once heavily industrialized. The elevated

levels of heavy metals identified during this investigation can be tied to its past use. Mercury is commonly found in switches and fluorescent lighting expected in a factory environment. Mercury is also occasionally associated with switch manufacturing, metal working and electroplating activities. Cadmium is commonly found in Ni-Cd batteries, electroplating processes and photoelectric cells. These heavy metals can also be found in unburned and burned coal residue, which was observed in numerous locations.

#### Petroleum Spill Areas

Petroleum impacts were found throughout the site but were concentrated in two regions of the central portion of the site; one along the River and the other inland (Figure 4). Test pits in these areas were observed to contain miscellaneous construction debris, brick, asphalt, concrete slab, tires, old appliances metal pipes, and concrete utility vaults. Most notably in this areas were the obvious stained and odiferous soils prevalent at the soil water interface. Because this area is tidally influenced the impacted area is spread across the tidal zone.

- Underground or aboveground storage tanks were not identified in these regions. The likely source of the petroleum compounds was either industrial practices (cutting oil spills) or an old abandoned tank or tanks that have been removed from the site or buried elsewhere and not located during this investigation. The most significant impacts were identified in an area adjacent to the river where an apparent loading station was identified. A six-inch pipe containing a heavy fuel oil was traced from the loading station to an old foundation area. The pipe was full of weathered #4 or #6 fuel oil.
  - Two areas of petroleum-impacted soil were found in the central portion of the site (Figure 4). Soils observed in the test pits were visually stained and had a noticeable petroleum odor. Samples taken from TP-49, TP-58, and TP-89 were submitted for VOC analysis using EPA Method 8021 and for SVOCs using EPA Method 8270. The samples were selected based on PID readings, olfactory and/or visual observations. The test pit sampling results are summarized in Table 1 and the laboratory report is included in Appendix C.

Review of the EPA Method 8021 and/or 8270 analytical results for the test pit samples, indicates that no VOCs above the laboratory reporting limit were detected in the soil samples taken from TP-49. Trichloroethylene was detected in TP-58 at 10 ppb, which well below the NYSDEC's Soil Cleanup Guidance Value listed in TAGM 4046. Trimethylbenzene (1,2,4-TMB) was encountered at 6 ppb in TP-89, also below the actionable levels. Semi-volatiles were encountered in these test pits. Visual field observations indicate the soils were heavily stained. Petroleum sheen was also observed on the groundwater in this test pit.

#### Paint Shop Area

Semi-volatile organic compounds detected in the soil sampled collected from TP-101 above NYSDEC Soil Cleanup Objectives included Anthracene (400 ug/kg), Benzo [a] anthracene (1,200 ug/kg), Benzo [a] pyrene (2,300 ug/kg), Benzo [b] fluoranthene (900 ug/kg), Benzo (g, h,I) perylene (430 ug/kg), Benzo [k] fluoranthene (1,200 ug/kg), Chrysene (1,300 ug/kg), Fluoranthene (2,500 ug/kg), Phenanthrene (1,400 ug/kg) and Pyrene (2,300 ug/kg). No chlorinated solvents were encountered in the samples taken from this area; however, there was a strong solvent like odor observed in this region. The odor may have been related to discarded paints or degraded petroleum products.

Parameter         DLTP-TP5-4         DLTP-TP2-7         DLTP-TP7           Semi-Volatiles         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           1,2.4-Trichlorobenzene         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           1,3-Dichlorobenzene         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           1,4-Dichlorobenzene         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           2,6-Dinitrotoluene         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           2,6-Dinitrotoluene         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           2,6-Dinitrotoluene         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           2,6-Dinitrotoluene         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           3-3'-Dichlorobenzidine         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           4-Bromophenyl phenyl ehter         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           4-Chloroanaline         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           4-Chloroanaline         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Aceaphthene <t< th=""><th>·</th><th></th><th></th><th></th></t<>	·			
1,2,4-Trichlorobenzene         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           1,3-Dichlorobenzene         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           1,3-Dichlorobenzene         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           2,4-Dinitrotoluene         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           2,4-Dinitrotoluene         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           2,4-Dinitrotoluene         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           2,4-Diritroanline         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           3-Nitroanaline         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           4-Bironophenyl phenyl ether         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           4-Aitroanaline         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           4-Chloroanaline         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg </td <td>Parameter</td> <td></td> <td></td> <td>DLTP-TP7</td>	Parameter			DLTP-TP7
1,2-Dichlorobenzene         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           1,4-Dichlorobenzene         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           2,4-Dinitrotoluene         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           2,6-Dinitrotoluene         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           2,6-Linitrotoluene         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           2,6-Linitrotoluene         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           2,6-Linitrotoluene         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           2,6-Linitrotoluene         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           3,3'Dichlorobenzidine         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           4-Chioroanaline         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           4-Chioroanaline         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Accaphthene         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Accaphthylene         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Benzo(a)nthracene <td><u> </u></td> <td></td> <td></td> <td></td>	<u> </u>			
1,3-Dichlorobenzene         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           1,4-Dichlorobenzene         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 4,000 ug/Kg           2,4-Dinitrotoluene         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           2,6-Dinitrotoluene         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           2.Chloronaphthalene         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           2.Vitroanaline         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           3.3-Dichlorobenzidine         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           4.Bromophenyl phenyl ehter         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           4.Bromophenyl phenyl ehter         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           4.Aritoanaline         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           4.Aritoanaline         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           4.Aritoanaline         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Acceaphthene         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Aritroan				
1,4-Dichlorobenzene         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           2,4-Dinitrotoluene         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           2,6-Dinitrotoluene         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           2-Chloronaphthalene         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           2-Mitroanaline         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           3-3-Dichlorobenzidine         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           3-Nitroanaline         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           4-Bromophenyl phenyl ether         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           4-Chloroanaline         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           4-chloroanaline         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Acceaphthene         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Acceaphthene         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Benzo(a)anthracene         430         2,400         ND @ 1,700 ug/Kg           Benzo(a)anthracene         550 <td></td> <td></td> <td></td> <td></td>				
2,4-Dinitrotoluene         ND @ 330 ug/Kg         ND @ 4,000 ug/Kg         ND @ 4,000 ug/Kg           2,6-Dinitrotoluene         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           2-Chloronaphthalene         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 4,000 ug/Kg           2-Mitroanaline         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 4,000 ug/Kg           3-3'-Dichlorobenzidine         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           3-3'-Dichlorobenzidine         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           4-Bromophenyl phenyl ether         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           4-Chloroanaline         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           4-Chloroanaline         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Accaphthene         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Accaphthylene         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Accaphthylene         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Benzo(a)ntracene         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Benzo(a)flouranthene				
2,6-Dinitrotoluene         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           2-Chloronaphthalene         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           2-Methylnaphthalene         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           2-Nitroanaline         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           3-Nitroanaline         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           4-Bromophenyl phenyl ether         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           4-Chloroanaline         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           4-Nitroanaline         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Accaphthene         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Accaphthylene         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Benzo(a)anthracene         430         2,400         ND @ 1,700 ug/Kg           Benzo(k)flouranthene         550         3,200         2,100           sis(2-chloroethoxy)methane         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Bis(2-chloroethoxy)methane         ND @ 330 ug/Kg				
2-Chloronaphthalene         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           2-Methylnaphthalene         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           3-3-Dichlorobenzidine         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           3-Nitroanaline         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           4-Bromophenyl phenyl ehter         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           4-Chloroanaline         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Accaphthene         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Accaphthene         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Accaphthylene         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Accaphthylene         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Benzo(a)anthracene         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Benzo(a)pyrene         1,200         7,100         2,600           Benzo(k)flouranthene         500         3,200         2,100           si2(2-chloroethyl)ptthalate         ND @ 330 ug/Kg         ND @ 1,700 ug/K	2,4-Dinitrotoluene			
2-Methylnaphthalene         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           2-Nitroanaline         ND @ 330 ug/Kg         ND @ 4,000 ug/Kg         ND @ 1,700 ug/Kg           3-3'-Dichlorobenzidine         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           3-3'-Dichlorobenzidine         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           4-Bromophenyl phenyl ehter         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           4-Chloroanaline         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           4-Nitroanaline         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Aceaphthene         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Aceaphthylene         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Benzo(a)anthracene         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Benzo(a)filouranthene         500         2,900         1,900           Benzo(b)flouranthene         550         3,200         2,100           sis(2-chloroethoxy)methare         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Bis(2-chloroethoxy)methare         ND @ 330 ug/Kg	2,6-Dinitrotoluene			
2-Nitroanaline         ND @ 330 ug/Kg         ND @ 4,000 ug/Kg         ND @ 1,700 ug/Kg           3-3-Dichlorobenzidine         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           3-Nitroanaline         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           4-Bromophenyl phenyl ehter         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           4-Chloroanaline         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           4-Nitroanaline         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Aceaphthene         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Aceaphthylene         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Benzo(a)anthracene         MD @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Benzo(a)anthracene         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Benzo(k)flouranthene         500         2,400         1,900           Benzo(k)flouranthene         550         3,200         2,100           sis(2-chloroethoxy)methane         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Bis(2/chlorothoxy)methane         ND @ 330 ug/Kg         ND	2-Chloronaphthalene			ND @ 1,700 ug/Kg
3-3'-Dichlorobenzidine         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           4-Bromophenyl phenyl ehter         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           4-Bromophenyl phenyl ehter         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           4-Chloroanaline         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Aceaphthene         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Aceaphthylene         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Aceaphthylene         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Benzo(a)anthracene         430         2,400         ND @ 1,700 ug/Kg         Benzo(a)g/Kg         ND @ 1,700 ug/Kg           Benzo(b)flouranthene         550         3,200         2,600         1,800           Benzo(k)flouranthene         550         3,200         2,100         si(2-chloroethyl)ether         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Bis(2-chlorostorpyl)ether         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg<			ND @ 1,700 ug/Kg	ND @ 1,700 ug/Kg
3-Nitroanaline         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           4-Bromophenyl phenyl ehter         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           4-Chloroanaline         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Chlorphenyl phenyl ether         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           4-Nitroanaline         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Aceaphthene         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Aceaphthene         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Benzo(a)anthracene         A30         Q.400         ND @ 1,700 ug/Kg           Benzo(a)pyrene         1,200         7,100         2,600           Benzo(k)flouranthene         500         2,900         1,900           Benzo(k)flouranthene         500         3,200         2,100           sis(2-chloroethxy)methaa         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Bis(2-chloroethyl)ether         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Bis(2-chloroethyl)ether         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg <td></td> <td></td> <td></td> <td>ND @ 4,000 ug/Kg</td>				ND @ 4,000 ug/Kg
4-Bromophenyl phenyl ehter         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           4-Chloroanaline         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Chlorphenyl phenyl ether         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           4-Nitroanaline         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Aceaphthene         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Anthracene         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Benzo(a)pyrene         1,200         7,100         2,600         1,700 ug/Kg         1,900           Benzo(k)hlouranthene         500         2,900         1,900         1,900           Benzo(k)hlouranthene         500         3,200         2,100         si(2-chloroethoxy)methane         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Bis(2-chloroethyl)ether         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Bis(2-chloroethoxy)methaate         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1	3-3'-Dichlorobenzidine		ND @ 1,700 ug/Kg	
4-Chloroanaline         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Chlorphenyl phenyl ether         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           4-Nitroanaline         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Aceaphthene         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Aceaphthylene         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Aceaphthylene         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Benzo(a)pyrene         1,200         7,100         2,600           Benzo(b)flouranthene         500         2,900         1,900           Benzo(k)flouranthene         550         3,200         2,100           sis(2-chloroethoxy)methane         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Bis(2-chloroethoxy)methane         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           sis(2-chloroethoxy)methate         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Bis(2-chloroethoxy)methate         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Bis(2-chloroethoxy)methate         ND @ 330 ug/Kg         ND @ 1,700 ug/K	3-Nitroanaline		ND @ 1,700 ug/Kg	ND @ 1,700 ug/Kg
4-Chloroanaline         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Chlorphenyl phenyl ether         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           4-Nitroanaline         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Aceaphthene         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Aceaphthylene         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Anthracene         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Benzo(a)anthracene         430         2,400         ND @ 1,700 ug/Kg           Benzo(b)flouranthene         500         2,900         1,900           Benzo(b)flouranthene         550         3,200         2,100           s(2-chloroethoxy)methane         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Bis(2-chloroisoproyl)ether         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Bis(2-chloroisoproyl)ether         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Dibenzo(a,h)anthracene         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Dibenzo(a,h)anthracene         ND @ 330 ug/Kg         ND @ 1,700 ug/K	4-Bromophenyl phenyl ehter	ND @ 330 ug/Kg	ND @ 1,700 ug/Kg	ND @ 1,700 ug/Kg
4-Nitroanaline         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Aceaphthene         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Aceaphthylene         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Anthracene         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Benzo(a)anthracene         430         2,400         ND @ 1,700 ug/Kg           Benzo(a)anthracene         1,200         7,100         2,600           Benzo(a)anthracene         500         2,900         1,900           Benzo(a),hi)perylene         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         1,900           Benzo(s),hilouranthene         550         3,200         2,100           Si2-chloroethoxy/methane         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Bis(2-chloroethoxy/methane         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Bis(2-chloroisopropyl)ether         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Bis(2-chloroisopropyl)ether         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Bis(2-chloroisopropyl)ether         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug		ND @ 330 ug/Kg		ND @ 1,700 ug/Kg
4-Nitroanaline         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Aceaphthene         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Aceaphthylene         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Anthracene         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Benzo(a)anthracene         430         2,400         ND @ 1,700 ug/Kg           Benzo(a)anthracene         1,200         7,100         2,600           Benzo(a)hyrene         1,200         7,100 ug/Kg         1,900           Benzo(a),h.l)perylene         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         1,900           Benzo(s),hlouranthene         550         3,200         2,100           S(2-chloroethoxy)methane         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Bis(2-chloroisopropyl)ether         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Bis(2-chloroisopropyl)ether         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Bis(2-chloroisopropyl)ether         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Bis(2-chloroisopropyl)ether         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,7	Chlorphenyl phenyl ether			
Acenaphthylene         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Anthracene         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Benzo(a)anthracene         430         2,400         ND @ 1,700 ug/Kg           Benzo(a)pyrene         1,200         7,100         2,600           Benzo(a)pyrene         1,200         7,100         2,600           Benzo(a)pyrene         1,200         7,100         2,600           Benzo(a)pyrene         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         1,900           Benzo(a),h.i)perylene         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Bis(2-chloroethxy)methane         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Bis(2-chloroethyl)ether         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Bis(2-chloroethyl)ethalate         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Butyl benzyl phthalate         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Butyl benzyl phthalate         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Dibenzofuran         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg			ND @ 1,700 ug/Kg	ND @ 1,700 ug/Kg
Anthracene         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Benzo(a)anthracene         430         2,400         ND @ 1,700 ug/Kg           Benzo(a)pyrene         1,200         7,100         2,600           Benzo(a)pyrene         1,200         7,100         2,600           Benzo(g,h,l)perylene         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         1,900           Benzo(k)flouranthene         550         3,200         2,100           s(2-chloroethoxy)methane         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Bis(2-chloroethoxy)methane         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Bis(2-chloroisopropyl)ether         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Butyl benzyl phthalate         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Dibenzo(a,h)anthracene         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Dibenzofuran         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Dien-butylphthalate         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Di-n-butylphthalate         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg <td>Aceaphthene</td> <td>ND @ 330 ug/Kg_</td> <td>ND @ 1,700 ug/Kg</td> <td>ND @ 1,700 ug/Kg</td>	Aceaphthene	ND @ 330 ug/Kg_	ND @ 1,700 ug/Kg	ND @ 1,700 ug/Kg
Benzo(a)anthracene         430         2,400         ND @ 1,700 ug/kg           Benzo(a)pyrene         1,200         7,100         2,600           Benzo(b)flouranthene         500         2,900         1,900           Benzo(g, h, I)perylene         ND @ 330 ug/kg         ND @ 1,700 ug/kg         1,900           Benzo(k)flouranthene         550         3,200         2,100           s(2-chloroethoxy)methane         ND @ 330 ug/kg         ND @ 1,700 ug/kg         ND @ 1,700 ug/kg           Bis(2-chloroethyl)ether         ND @ 330 ug/kg         ND @ 1,700 ug/kg         ND @ 1,700 ug/kg           sis(2-chloroisopropyl)ether         ND @ 330 ug/kg         ND @ 1,700 ug/kg         ND @ 1,700 ug/kg           Sis(2-chloroisopropyl)ether         ND @ 330 ug/kg         ND @ 1,700 ug/kg         ND @ 1,700 ug/kg           Butyl benzyl phthalate         ND @ 330 ug/kg         ND @ 1,700 ug/kg         ND @ 1,700 ug/kg           Dibenzo(a, h)anthracene         ND @ 330 ug/kg         ND @ 1,700 ug/kg         ND @ 1,700 ug/kg           Dibenzotran         ND @ 330 ug/kg         ND @ 1,700 ug/kg         ND @ 1,700 ug/kg           Dibenzotran         ND @ 330 ug/kg         ND @ 1,700 ug/kg         ND @ 1,700 ug/kg           Dimethylphthalate         ND @ 330 ug/kg         ND @ 1,700 ug/kg         ND @ 1,70	Acenaphthylene	ND @ 330 ug/Kg	ND @ 1,700 ug/Kg	ND @ 1,700 ug/Kg
Benzo(a)pyrene         1,200         7,100         2,600           Benzo(b)flouranthene         500         2,900         1,900           Benzo(g,h,l)perylene         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         1,900           Benzo(k)flouranthene         550         3,200         2,100           s(2-chloroethoxy)methane         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Bis(2-chloroethyl)ether         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           bis(2-chloroethyl)ether         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Bis(2-chloroethyl)ether         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Bis(2-chloroethyl)ether         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Bis(2-chloroethyl)ether         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Butyl benzyl phthalate         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Dibenzo(a,h)anthracene         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Dibenzofuran         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Dienthylphthalate         ND @ 330 ug/Kg         ND @ 1,700 ug/	Anthracene	ND @ 330 ug/Kg	ND @ 1,700 ug/Kg	ND @ 1,700 ug/Kg
Benzo(b)flouranthene         500         2,900         1,900           Benzo(g,h,I)perylene         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         1,900           Benzo(k)flouranthene         550         3,200         2,100           s(2-chloroethoxy)methane         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Bis(2-chloroethyl)ether         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           bis(2-chloroisopropyl)ether         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Bis(2-chloroisopropyl)ether         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Butyl benzyl phthalate         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Dibenzo(a,h)anthracene         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Dibenzofuran         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Diethylphthalate         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Dien-butylphthalate         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Dientylphthalate         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Dien-butylphthalate         ND @ 330 ug/Kg	Benzo(a)anthracene	430	2,400	ND @ 1,700 ug/Kg
Benzo(g,h,i)perylene         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         1,900           Benzo(k)flouranthene         550         3,200         2,100           s(2-chloroethoxy)methane         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Bis(2-chloroethyl)ether         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           bis(2-chloroisopropyl)ether         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Bis(2-chloroisopropyl)ether         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Butyl benzyl phthalate         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Butyl benzyl phthalate         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Dibenzo(a,h)anthracene         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Diethylphthalate         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Din-butylphthalate         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Di-n-octylphthalate         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Di-n-octylphthalate         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Bui-n-o	Benzo(a)pyrene	1,200	7,100	2,600
Benzo(k)flouranthene         550         3,200         2,100           s(2-chloroethoxy)methane         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Bis(2-chloroethyl)ether         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           bis(2-chloroisopropyl)ether         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Bis(2-ethylnexyl)phthalate         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Butyl benzyl phthalate         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Dibenzo(a, h)anthracene         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Dibenzofuran         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Diethylphthalate         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Dinethylphthalate         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Di-n-butylphthalate         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Di-n-octylphthalate         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Flouranthene         620         2,600         2,600           Flourene         ND @ 330 ug/Kg	Benzo(b)flouranthene	500		1,900
s(2-chloroethoxy)methane         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Bis(2-chloroisopropyl)ether         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Bis(2-chloroisopropyl)ether         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Bis(2-chloroisopropyl)ether         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Butyl benzyl phthalate         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Dibenzo(a,h)anthracene         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Dibenzofuran         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Diethylphthalate         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Diethylphthalate         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Di-n-butylphthalate         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Di-n-octylphthalate         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Di-n-octylphthalate         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Flourene         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg      <	Benzo(g,h,l)perylene		ND @ 1,700 ug/Kg	1,900
Bis(2-chloroethyl)ether         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           bis(2-chloroisopropyl)ether         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           3is(2-ethylhexyl)phthalate         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Butyl benzyl phthalate         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Butyl benzyl phthalate         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Dibenzo(a,h)anthracene         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Dibenzofuran         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Diethylphthalate         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Dientylphthalate         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Di-n-butylphthalate         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Di-n-octylphthalate         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Flouranthene         620         2,600         2,600           Flouranthene         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Hexachlorobenzene	Benzo(k)flouranthene	550	3,200	
Bis(2-chloroisopropyl)ether         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           3is(2-ethylhexyl)phthalate         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Butyl benzyl phthalate         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Dibenzo(a,h)anthracene         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Dibenzofuran         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Diethylphthalate         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Dibenzofuran         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Diethylphthalate         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Di-n-butylphthalate         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Di-n-octylphthalate         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Flouranthene         620         2,600         2,600           Flouranthene         620         2,600         2,600           Hexachlorobenzene         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Hexachlorobentadiene         ND @ 330 ug/Kg         ND @ 1	s(2-chloroethoxy)methane	ND @ 330 ug/Kg	ND @ 1,700 ug/Kg	ND @ 1,700 ug/Kg
Bis(2-ethylhexyl)phthalate         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Butyl benzyl phthalate         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Chrysene         450         2,800         1,700           Dibenzo(a, h)anthracene         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Dibenzofuran         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Diethylphthalate         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Dienhylphthalate         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Di-n-butylphthalate         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Di-n-octylphthalate         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Flouranthene         620         2,600         2,600           Flouranthene         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Hexachlorobenzene         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Hexachlorobenzene         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Hexachlorobenzene         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg	Bis(2-chloroethyl)ether	ND @ 330 ug/Kg	ND @ 1,700 ug/Kg	ND @ 1,700 ug/Kg
Butyl benzyl phthalate         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Chrysene         450         2,800         1,700           Dibenzo(a, h)anthracene         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Dibenzofuran         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Diethylphthalate         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Diethylphthalate         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Din-butylphthalate         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Di-n-octylphthalate         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Flouranthene         620         2,600         2,600           Flourene         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Hexachlorobenzene         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Hexachlorobutadiene         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Hexachlorobenzene         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Hexachlorobenzene         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg	bis(2-chloroisopropyl)ether			
Chrysene         450         2,800         1,700           Dibenzo(a,h)anthracene         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Dibenzofuran         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Diethylphthalate         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Diethylphthalate         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Dinethylphthalate         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Di-n-butylphthalate         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Di-n-octylphthalate         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Flouranthene         620         2,600         2,600           Flourene         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Hexachlorobenzene         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Hexachlorobutadiene         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Hexachloroethane         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Indeno(1,2,3-cd)pyrene         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         N	Bis(2-ethylhexyl)phthalate			
Dibenzo(a,h)anthracene         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Dibenzofuran         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Diethylphthalate         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Dimethylphthalate         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Dimethylphthalate         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Di-n-butylphthalate         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Di-n-octylphthalate         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Flouranthene         620         2,600         2,600           Flourene         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Hexachlorobenzene         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Hexachlorobutadiene         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Hexachloroethane         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Indeno(1,2,3-cd)pyrene         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Indeno(1,2,3-cd)pyrene         ND @ 330 ug/Kg	Butyl benzyl phthalate			
Dibenzofuran         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Diethylphthalate         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Dimethylphthalate         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Di-n-butylphthalate         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Di-n-octylphthalate         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Flouranthene         620         2,600         2,600           Flourene         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Hexachlorobenzene         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Hexachlorobutadiene         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Hexachlorocylcopentadiene         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Indeno(1,2,3-cd)pyrene         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Isophorone         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Napthalene         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Napthalene         ND @ 330 ug/Kg         ND @ 1,70	Chrysene			
Diethylphthalate         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Dimethylphthalate         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Di-n-butylphthalate         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Di-n-octylphthalate         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Flouranthene         620         2,600         2,600           Flourene         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Hexachlorobenzene         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Hexachlorobutadiene         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Hexachlorocylcopentadiene         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Indeno(1,2,3-cd)pyrene         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Isophorone         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Napthalene         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Napthalene         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg	Dibenzo(a,h)anthracene			
Dimethylphthalate         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Di-n-butylphthalate         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Di-n-octylphthalate         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Di-n-octylphthalate         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Flouranthene         620         2,600         2,600           Flourene         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Hexachlorobenzene         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Hexachlorobutadiene         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           exachlorocylcopentadiene         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Hexachloroethane         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Indeno(1,2,3-cd)pyrene         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Isophorone         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Napthalene         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Phenanthrene         ND @ 330 ug/Kg         N	Dibenzofuran			
Di-n-butylphthalate         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Di-n-octylphthalate         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Flouranthene         620         2,600         2,600           Flourene         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Hexachlorobenzene         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Hexachlorobutadiene         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Hexachlorobutadiene         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Hexachlorobutadiene         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Hexachlorophradiene         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Hexachlorophradiene         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Indeno(1,2,3-cd)pyrene         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Isophorone         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Napthalene         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Phenanthrene         ND @ 330 ug/Kg         N	Diethylphthalate		ND @ 1,700 ug/Kg	ND @ 1,700 ug/Kg
Di-n-octylphthalate         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Flouranthene         620         2,600         2,600           Flourene         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Hexachlorobenzene         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Hexachlorobutadiene         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Hexachlorobutadiene         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Hexachlorocylcopentadiene         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Hexachlorocthane         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Indeno(1,2,3-cd)pyrene         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         1,700           Isophorone         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Napthalene         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Phenanthrene         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg	Dimethylphthalate			
Flouranthene         620         2,600         2,600           Flourene         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Hexachlorobenzene         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Hexachlorobutadiene         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Hexachlorobutadiene         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Hexachlorocylcopentadiene         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Hexachlorocylcopentadiene         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Indeno(1,2,3-cd)pyrene         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         1,700           Isophorone         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Napthalene         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Phenanthrene         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg		ND @ 330 ug/Kg		
Flourene         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Hexachlorobenzene         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Hexachlorobutadiene         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Hexachlorobutadiene         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           exachlorocylcopentadiene         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Hexachloroethane         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Indeno(1,2,3-cd)pyrene         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         1,700           Isophorone         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Napthalene         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Phenanthrene         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg				
Hexachlorobenzene         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Hexachlorobutadiene         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           exachlorocylcopentadiene         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Hexachlorocylcopentadiene         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Hexachloroethane         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Indeno(1,2,3-cd)pyrene         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         1,700           Isophorone         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Napthalene         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Phenanthrene         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg				
Hexachlorobutadiene         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           exachlorocylcopentadiene         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Hexachloroethane         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Indeno(1,2,3-cd)pyrene         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         1,700           Isophorone         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Napthalene         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Phenanthrene         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg	Flourene		ND @ 1,700 ug/Kg	ND @ 1,700 ug/Kg
exachlorocylcopentadiene         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Hexachloroethane         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Indeno(1,2,3-cd)pyrene         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         1,700           Isophorone         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Napthalene         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Phenanthrene         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg				
Hexachloroethane         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Indeno(1,2,3-cd)pyrene         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         1,700           Isophorone         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Napthalene         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Phenanthrene         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg				
Indeno(1,2,3-cd)pyrene         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         1,700           Isophorone         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Napthalene         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Phenanthrene         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg				
Isophorone         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Napthalene         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Phenanthrene         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg				
Napthalene         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg           Phenanthrene         ND @ 330 ug/Kg         ND @ 1,700 ug/Kg         ND @ 1,700 ug/Kg				
Phenanthrene ND @ 330 ug/Kg ND @ 1,700 ug/Kg ND @ 1,700 ug/Kg				
Pyrene 540 2,600 2,000				
	Pyrene	540	2,600	2,000

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Parameter	DLTP-TP5-4	DLTP-TP2-7	DLTP-TP7
	Volatile		
Nitrosodiphenylamine	NA	NA	NA
Phenanthrene	NA	NA	NA
Pyrene	NA ·	NA NA	NA
1,2-Tetrachloroethane	NA	NA	NA
1,1-Trichloroethane	ND @ 25 ug/Kg	ND @ 25 ug/Kg	ND @ 50 ug/Kg
1,1,2,2-Tetrachloroethane	ND @ 25 ug/Kg	ND @ 25 ug/Kg	ND @ 50 ug/Kg
1,12-Trichloroethane	ND @ 25 ug/Kg	ND @ 25 ug/Kg	ND @ 50 ug/Kg
1,1-Dichloroethane	ND @ 25 ug/Kg	ND @ 25 ug/Kg	ND @ 50 ug/Kg
1,1-Dichloroethylene	ND @ 25 ug/Kg	ND @ 25 ug/Kg	ND @ 50 ug/Kg
1,1-Dichloropropylene	ND @ 25 ug/Kg	ND @ 25 ug/Kg	ND @ 50 ug/Kg
2,3-Trichlorobenzene	ND @ 25 ug/Kg	ND @ 25 ug/Kg	ND @ 50 ug/Kg
2,3-Trichloropropane	NA	NA	NA NA
1,2,3-Trimethylbenzene	NA	NA	NA
,2,4-Trichlorobenzene	NA	NA	NA
2,4-Trimethylbenzene	NA	NA	NA
2 Dibromo-3-chloropropane	NA	NA	NA
1,2-Dibromoehtane	NA	NA	NA
1,2-Dichlorobenzene	NA	NA	NA
1,2-Dichloroethane	NA	NĀ	NA
1,∠-Dichloroethylene (Total)	NA	NA	NA
1,2-Dichloropropane	NA	NA	NA
3,5-Trimethylbenzene	NA	NA	NA
1,3-Dichlorobenzene	NA	NA	NA
1,3-Dichloropropane	NA	NA	NA NA
1,4-Dichlorobenzene	NA	NA	<u>NA</u>
1-Chlorhexane	NA	NA_	NA
2,2-Dichloropropane	NA	<u>NA</u>	NA
2-Chlorotoluene	NA	NA	NA
4-Chlorotoluene	NA	NA	NA
Benzene	NA	NA	NA
Bromobenzene	NA	NA	<u>NA</u>
Bromochloromethane	NA	NA	NA
romodichloromethane	NA	NA	NA
Bromoform	<u>NA</u>	<u>NA</u>	NA
Bromomethane	NA	NA	NA
Carbon tetrachloride	NA	<u>NA</u>	NA
Chlorbenzene	NA	NA	490
Chlorethane	NA	NA	NA
Chlorform	NA	NA	NA
Chlormethane			NA
s-1,3-Dichorpropylene	NA		
Dibromochloromethane	NA	NA	NA
Dibromomethane	NA	NA	NA
ichlorodifluoromethane	NA		NA NA
Ethylbenzene	NA	NA	NA NA
Hexachlorobutadiene	NA	NA	NA

Parameter	DLTP-TP5-4	DLTP-TP2-14	DLTP-TP7	1
Isopropylbenzene	NA	NA NA	NA	
Methylene chloride	NA	NA	NA	
Naphthalene	NA	NA	NA	
n-Butylbenzene	NA ·	NA	NA	
n-Propylbenzene	NA	NA	NA	
o-Xylene	ND @ 25 ug/Kg	ND @ 25 ug/Kg	ND @ 25 ug/Kg	)
p-&m- Xylenes	ND @ 25 ug/Kg	ND @ 25 ug/Kg	490	
p-isopropyitoluene	NA	NA	NA	]
sec-Butylbenzene	NA	NA	NA	]
Styrene	ND @ 25 ug/Kg	ND @ 25 ug/Kg	ND @ 50 ug/Kg	
tert-Butylbenzene	NA	NA	NA	
Tetrachloroethylene	ND @ 25 ug/Kg	ND @ 25 ug/Kg	ND @ 50 ug/Kg	]
Toluene	ND @ 25 ug/Kg	ND @ 25 ug/Kg	ND @ 50 ug/Kg	
trans-1,3-Dichloropropylene	NA	NA	NA	]
trichloroethylene	NA	NA	NA	
richlorofluoromethane	NA	NA	NA	]
Vinyl chloride	ND @ 25 ug/Kg	ND @ 25 ug/Kg	ND @ 100 ug/Kg	]
Methyl-tert-butyl-ether	ND @ 25 ug/Kg	ND @ 25 ug/Kg	ND @ 50 ug/Kg	]
Total Xylenes	ND @ 25 ug/Kg	ND @ 25 ug/Kg	490*	
Parameter	DLTP-TP5-4	DLTP-TP2-14	DLTP-TP7	1
	Metals			1
TCLP Arsenic	ND @ 0.010	ND @ 0.010	ND @ 0.010	1
TCLP Barium	<u> </u>	0.868	0.755	
TCLP Cadmium	ND @ 0.005	0.009	0.006	1
TCLP Chromium	0.01	ND @ 0.005	ND @ 0.005	117
TCLP Lead	0.149	0.34	0.405	sP.
TCLP Selenium	ND @ 0.010	ND @ 0.010	ND @ 0.010	1
TCLP Silver	ND @ 0.005	ND @ 0.005	ND @ 0.005	
TCLP Mercury	0.0031	0.0012	0.0015	0.1
Total Cyanide	NA	NA	ND @ 1.0 mg/kg	]

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Parameter	DLTP-TP15-9	DLTP-TP19-7/8	DI TO T012.0	DI TO TO1 3	DLTP-TP18-8
	DLIF-1F13-5	Semi-Volatiles	ULIF-IF 12-5	ULIF-IFI-3	DLTF-TF10-0
1,2,4-Trichlorobenzene	ND @ 1,700 ug/Kg		NA	NA	NA
2-Dichlorobenzene	ND @ 1,700 ug/Kg		NA	NA	NA
-Dichlorobenzene	ND @ 1,700 ug/Kg	ND @ 3,300 ug/Kg	NA NA	NA	NA NA
-Dichlorobenzene			NA	NA NA	NA NA
	ND @ 1,700 ug/Kg		NA	NA NA	NA
2,4-Dinitrotoluene	ND @ 1,700 ug/Kg		NA NA	NA NA	NA NA
<u>`,6-Dinitrotoluene</u>		ND @ 3,300 ug/Kg	NA	NA NA	NA
	ND @ 1,700 ug/Kg	7900 ug/L)-	NA NA		NA
2-Methylnaphthalene			NA NA	NA NA	NA
2-Nitroanaline	ND @ 1,700 ug/Kg ND @ 1,700 ug/Kg		NA	NA NA	NA
-Dichlorobenzidine			NA NA		NA
3-Nitroanaline	ND @ 1,700 ug/Kg		NA	NA	NA NA
Bromophenyl phenyl eht				NA	
4-Chloroanaline	ND @ 1,700 ug/Kg		NA	NA	NA
orphenyl phenyl eth	ND @ 1,700 ug/Kg			NA	NA
4-Nitroanaline	ND @ 1,700 ug/Kg		NA	NA	NA NA
Aceaphthene	ND @ 1,700 ug/Kg		NA	NA	NA
Acenaphthylene	ND @ 1,700 ug/Kg	ND @ 3,300 ug/Kg	NA	NA	NA
Anthracene	ND @ 1,700 ug/Kg	ND @ 3,300 ug/Kg	NA	NA NA	NA
Benzo(a)anthracene	1,700	ND @ 3,300 ug/Kg	610	NA	NA
Benzo(a)pyrene	1,900	ND @ 3,300 ug/Kg	630	NA	NA
enzo(b)flouranthene	1,800	ND @ 3,300 ug/Kg	500		
_enzo(g,h,l)perylene	ND @ 1,700 ug/Kg	ND @ 3,300 ug/Kg	NA	NA	NA
Renzo(k)flouranthene	1,600	ND @ 3,300 ug/Kg	550	NA	NA
·-chloroethoxy)metha		ND @ 3,300 ug/Kg	NA	NA	NA
s(2-chloroethyl)ether		ND @ 3,300 ug/Kg	NA	NA	NA
is(2-chloroisopropyl)eth	ND @ 1,700 ug/Kg	ND @ 3,300 ug/Kg	NA	NA	NA NA
(2-ethylhexyl)phthalat	ND @ 1,700 ug/Kg	ND @ 3,300 ug/Kg	NA	NA	NA NA
Ityl benzyl phthalate	ND @ 1,700 ug/Kg		NA	NA	NA
Chrysene	2,000	ND @ 3,300 ug/Kg	690	NA	NA
Dibenzo(a,h)anthracene	ND @ 1,700 ug/Kg	ND @ 3,300 ug/Kg	NA	NA	NA
Dibenzofuran	ND @ 1,700 ug/Kg	ND @ 3,300 ug/Kg	NA	<u>NA</u>	NA
Diethylphthalate			NA	<u>NA</u>	NA
Dimethylphthalate		ND @ 3,300 ug/Kg	NA NA		NA
Di-n-butylphthalate		ND @ 3,300 ug/Kg	<u>NA</u>		NA ·
Di-n-octylphthalate		ND @ 3,300 ug/Kg	NA	NA	NA
Flouranthene	3,000	ND @ 3,300 ug/Kg	980	NA	<u>NA</u>
Flourene	ND @ 1,700 ug/Kg	3,500	NA	NA	NA
Hexachlorobenzene	ND @ 1,700 ug/Kg	ND @ 3,300 ug/Kg	NA	NA	
lexachlorobutadiene		ND @ 3,300 ug/Kg	NA	<u>NA</u>	NA
achlorocylcopentadie		ND @ 3,300 ug/Kg	NA	NA .	<u>NA</u>
Hexachloroethane		ND @ 3,300 ug/Kg	<u>NA</u>	<u>NA</u>	<u>NA</u>
deno(1,2,3-cd)pyrene		ND @ 3,300 ug/Kg	NA	NA	NA
Isophorone		ND @ 3,300 ug/Kg	NA	NA	<u> </u>
Napthalene	ND @ 1,700 ug/Kg	3,300	NA	NA	NA
Phenanthrene	3,900	ND @ 3,300 ug/Kg	590	NA	NA
Pyrene	2,700	ND @ 3,300 ug/Kg	910	<u>NA</u>	NA

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Parameter	DLTP-TP15-9	DLTP-TP19-7/8	DLTP-TP12-9	DLTP-TP1-3	DLTP-TP18-8
		Volatiles			
🔎 itrosodiphenylamine	<u>NA</u>	NA	NA	NA	NA
Phenanthrene	NA	NA	NA	NA	NA
Pyrene	NA ·	NA	NA	NA	NA
,2-Tetrachloroethan	NA	NA	NA	NA	NA
1,1-Trichloroethane	NA	NA	NA	NA	NA NA
1.2,2-Tetrachloroethan	NA	NA	NA	NA	NA
12-Trichloroethane	NA	NA	NA	NA	NA
1-Dichloroethane	NA NA	NA	NA NA	NA	NA
, 1-Dichloroethylene	NA	NA	NA	NA	NA
1-Dichloropropylene	NA	NA	NA	NA NA	NA
3-Trichlorobenzene	NA	NA	NA	NA	NA
3-Trichloropropane	NA	NA	NA	NA	NA
1,2,3-Trimethylbenzene	NA	NA	NA –	NA	NA
2,4-Trichlorobenzene	NA	NA	NA	NA	NA
4-Trimethylbenzene	51 ug/Kg	15 ug/Kg	NA	D@5.0 ug/	D @ 5.0 ug/Kg
	NA	NA	NA NA	NA	NA
1,2-Dibromoehtane	NA	NA	NA	NA	NA
2-Dichlorobenzene	NA	NA	NA	NA	NA
2-Dichloroethane	NA	NA	NA	NA NA	NA
2-Dichloroethylene (Tot	NA	NA	NA	NA	NA
1,2-Dichloropropane	NA	NA	NA	NA	NA
5-Trimethylbenzene	ND @ 5.0 ug/Kg	13 ug/Kg	NA	D@5.0 ug/	D @ 5.0 ug/Kg
3-Dichlorobenzene	NA	NA	NA	NA	NA
1,3-Dichloropropane	NA	NA	NA	NA	NA
4-Dichlorobenzene	NA	NA	NA	NA	NA
1-Chlorhexane	NA	NA	NA	NA NA	NA
c,2-Dichloropropane	NA	NA	NA	NA	NA
2-Chlorotoluene	NA	NA	NA	NA	NA NA
4-Chlorotoluene	NA	NA NA	NA	NA	NA
Benzene	ND @ 5.0 ug/Kg	ND @ 5.0 ug/Kg	NA	D@5.0 ug/	D @ 5.0 ug/Kg
Bromobenzene	<u>NA</u>	NA	NA	NA	NA
Bromochloromethane	NA	NA	NA	NA	NA
omodichloromethane	<u>NA</u>	NA	NA	NA	NA
Bromoform	<u>NA</u>	NA	NA	NA	NA
Bromomethane	NA	NA	NA	NA	NA
Carbon tetrachloride	<u>NA</u>	<u>NA</u>	NA	NA	NA NA
Chlorbenzene	<u>NA</u>	NA	NA	NA	NA
Chlorethane	NA	<u>NA</u>	NA	NA	NA
Chlorform	<u>NA</u>	NA	NA	<u>NA</u>	NA
Chlormethane	NA	<u>NA</u>	NA	NA	NA
i-1,3-Dichorpropylene	<u>NA</u>	NA	NA	NA	NA
Dibromochloromethane	NA	NA	NA	NA	NA
Dibromomethane	NA	NA	NA	NA	NA
chlorodifluoromethan	NA	NA	NA	NA	NA
Ethylbenzene	ND @ 5.0 ug/Kg	ND @ 5.0 ug/Kg	NA	D @ 5.0 ug/	D @ 5.0 ug/Kg
Hexachlorobutadiene	NA	NA	NA	NA	NA

Parameter	DLTP-TP15-9	DLTP-TP19-7/8	DLTP-TP12-9		DLTP-TP18-8
propylbenzene	ND @ 1 ug/Kg	18 ug/Kg	NA	D @ 5.0 ug/	D @ 5.0 ug/Kg
thylene chloride	NA	NA	NA	NA	NA
Naphthalene	ND @ 1 ug/Kg	ND @ 5.0 ug/Kg	NA	D @ 5.0 ug/	6 ug/Kg
n-Butylbenzene	20 ug/Kg	84 ug/Kg	NA	D @ 5.0 ug/	D @ 5.0 ug/Kg
Propylbenzene	14 ug/Kg	6 ug/Kg	NA	D @ 5.0 ug/	D @ 5.0 ug/Kg
o-Xylene	ND @ 2 ug/Kg	ND @ 10 ug/Kg	NA	D @ 10 ug/K	D @ 10 ug/Kg
p-&m- Xylenes	ND @ 2 ug/Kg	ND @ 10 ug/Kg	NA	D @ 10 ug/K	
sopropyltoluene	ND @ 1 ug/Kg	12 ug/Kg	NA	D @ 5.0 ug/	D @ 5.0 ug/Kg
c-Butylbenzene	ND @ 1 ug/Kg	9 ug/Kg	NA	D@ 5.0 ug/	D @ 5.0 ug/Kg
Styrene	NA	NA	NA	NA	NA
tert-Butylbenzene	9 ug/Kg	5 ug/Kg	NĀ	D @ 5.0 ug/	D @ 5.0 ug/Kg
achloroethylene	NA	NA	NA	NA	NA
Toluene	ND @ 1 ug/Kg	ND @ 5.0 ug/Kg	NA	D @ 5.0 ug/	D @ 5.0 ug/Kg
is-1,3-Dichloropropyle	NA	NA	NA	NA	NA
richloroethylene	NA	NA	NA	NA	NA
r lorofluoromethane	NA	NA	NA	NA	NA
Vinyl chloride	NA	NA	NA	NA	NA
Methyl-tert-butyl-ether	ND @ 5.0 ug/Kg	ND @ 5.0 ug/Kg	NA	D @ 5.0 ug/	D @ 5.0 ug/Kg
Total Xylenes	ND @ 10 ug/Kg	ND @ 10 ug/Kg	NA	D @ 5.0 ug/	D @ 5.0 ug/Kg
Parameter	DLTP-TP15-9	DLTP-TP19-7/8	DLTP-TP12-9	DLTP-TP1-3	DLTP-TP18-8
		Metals			
TCLP Arsenic	NA	NA	ND @ 0.010	NA	ND @ 0.010
TCLP Barium	NA	NA	1.45	NA	1.02
CLP Cadmium	NA	NA	0.012	NA	ND @ 0.005
TCLP Chromium	NA	NA	ND @ 0.005	NA	ND @ 0.005
TCLP Lead	NA	NA	0.526	NA	0.425
CLP Selenium	NA ·	NA	ND @ 0.010	NA	ND @ 0.010
TCLP Silver	NA	NA	ND @ 0.005	NA	ND @ 0.010
TCLP Mercury	NA	NA	0.0053	NA	0.0064

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Parameter	DLTP-TP49-6	DLTP-TP58-6	DLTP-TP89-6
2,4-Trichlorobenzene	ND @ 330 ug/Kg	ND @ 6600 ug/Kg	ND @ 330 ug/Kg
1,2-Dichlorobenzene	ND @ 330 ug/Kg	ND @ 6600 ug/Kg	ND @ 330 ug/Kg
1,3-Dichlorobenzene	ND @ 330 ug/Kg	ND @ 6600 ug/Kg	ND @ 330 ug/Kg
1,4-Dichlorobenzene	ND @ 330 ug/Kg	ND @ 6600 ug/Kg	ND @ 330 ug/Kg
2,4-Dinitrotoluene	ND @ 330 ug/Kg	ND @ 6600 ug/Kg	ND @ 330 ug/Kg
2,6-Dinitrotoluene	ND @ 330 ug/Kg	ND @ 6600 ug/Kg	ND @ 330 ug/Kg
2-Chloronaphthalene	ND @ 330 ug/Kg	ND @ 6600 ug/Kg	ND @ 330 ug/Kg
2-Methylnaphthalene	ND @ 330 ug/Kg	ND @ 6600 ug/Kg	ND @ 330 ug/Kg
2-Nitroanaline	ND @ 330 ug/Kg		ND @ 330 ug/Kg
3-3'-Dichlorobenzidine	ND @ 330 ug/Kg	ND @ 6600 ug/Kg	ND @ 330 ug/Kg
3-Nitroanaline	ND @ 330 ug/Kg		ND @ 330 ug/Kg
4 romophenyl phenyl ehter	ND @ 330 ug/Kg		ND @ 330 ug/Kg
4-Chloroanaline	ND @ 330 ug/Kg		ND @ 330 ug/Kg
Chlorphenyl phenyl ether	ND @ 330 ug/Kg		ND @ 330 ug/Kg
4-Nitroanaline	ND @ 330 ug/Kg		ND @ 330 ug/Kg
Aceaphthene	ND @ 330 ug/Kg		ND @ 330 ug/Kg
Acenaphthylene	ND @ 330 ug/Kg	ND @ 6600 ug/Kg	ND @ 330 ug/Kg
Anthracene	ND @ 330 ug/Kg		ND @ 330 ug/Kg
Benzo(a)anthracene	ND @ 330 ug/Kg	ND @ 6600 ug/Kg	ND @ 330 ug/Kg
Benzo(a)pyrene	ND @ 330 ug/Kg	ND @ 6600 ug/Kg	ND @ 330 ug/Kg
Benzo(b)flouranthene	ND @ 330 ug/Kg	ND @ 6600 ug/Kg	ND @ 330 ug/Kg
Benzo(g,h,l)perylene	ND @ 330 ug/Kg	ND @ 6600 ug/Kg	ND @ 330 ug/Kg
Benzo(k)flouranthene		ND @ 6600 ug/Kg	ND @ 330 ug/Kg
Bis(2-chloroethoxy)methane		ND @ 6600 ug/Kg	ND @ 330 ug/Kg
Bis(2-chloroethyl)ether	ND @ 330 ug/Kg	ND @ 6600 ug/Kg	ND @ 330 ug/Kg
s(2-chloroisopropyl)ether	ND @ 330 ug/Kg	ND @ 6600 ug/Kg	ND @ 330 ug/Kg
is(2-ethylhexyl)phthalate	ND @ 330 ug/Kg	ND @ 6600 ug/Kg	ND @ 330 ug/Kg
Butyl benzyl phthalate	ND @ 330 ug/Kg	ND @ 6600 ug/Kg	ND @ 330 ug/Kg
Chrysene	ND @ 330 ug/Kg	ND @ 6600 ug/Kg	ND @ 330 ug/Kg
Dibenzo(a,h)anthracene	ND @ 330 ug/Kg	ND @ 6600 ug/Kg	ND @ 330 ug/Kg
Dibenzofuran	ND @ 330 ug/Kg	ND @ 6600 ug/Kg	ND @ 330 ug/Kg
Diethylphthalate	ND @ 330 ug/Kg	ND @ 6600 ug/Kg	ND @ 330 ug/Kg
Dimethylphthalate	ND @ 330 ug/Kg	ND @ 6600 ug/Kg	ND @ 330 ug/Kg
Di-n-butylphthalate	ND @ 330 ug/Kg	ND @ 6600 ug/Kg	ND @ 330 ug/Kg
Di-n-octylphthalate	ND @ 330 ug/Kg	ND @ 6600 ug/Kg	ND @ 330 ug/Kg
Flouanthene		ND @ 6600 ug/Kg	ND @ 330 ug/Kg
Flourene		ND @ 6600 ug/Kg	ND @ 330 ug/Kg
Hexachlorobenzene	ND @ 330 ug/Kg	ND @ 6600 ug/Kg	ND @ 330 ug/Kg
Hexachlorobutadiene	ND @ 330 ug/Kg		ND @ 330 ug/Kg
exachlorocylcopentadiene	ND @ 330 ug/Kg	ND @ 6600 ug/Kg	ND @ 330 ug/Kg
Hexachloroethane		ND @ 6600 ug/Kg	ND @ 330 ug/Kg
Indeno(1,2,3-cd)pyrene	ND @ 330 ug/Kg		ND @ 330 ug/Kg
Isophorone	ND @ 330 ug/Kg		ND @ 330 ug/Kg
Napthalene	ND @ 330 ug/Kg		ND @ 330 ug/Kg
Nitrobenzene	ND @ 330 ug/Kg		ND @ 330 ug/Kg
N-Nitrosodi-n-propylamine	ND @ 330 ug/Kg		ND @ 330 ug/Kg
N-Nitrosodiphenylamine	ND @ 330 ug/Kg		ND @ 330 ug/Kg
Phenanthrene	ND @ 330 ug/Kg		ND @ 330 ug/Kg
Pyrene	ND @ 330 ug/Kg	ND @ 6600 ug/Kg	ND @ 330 ug/Kg

Volatiles 8021 List				
Parameter	DLTP-TP49-6	DLTP-TP58-6	DLTP-TP89-6	
1,1,2-Tetrachloroethane	ND @ 5.0 ug/Kg	NA	ND @ 5.0 ug/Kg	
1,1,1-Trichloroethane	ND @ 5.0 ug/Kg	NA	ND @ 5.0 ug/Kg	
T,1,2,2-Tetrachloroethane	ND @ 5.0 ug/Kg	NA	ND @ 5.0 ug/Kg	
1.12-Trichloroethane	ND @ 5.0 ug/Kg	NA	ND @ 5.0 ug/Kg	
1,1-Dichloroethane	ND @ 5.0 ug/Kg	NA	ND @ 5.0 ug/Kg	
1,1-Dichloroethylene	ND @ 5.0 ug/Kg	NA	ND @ 5.0 ug/Kg	
1,1-Dichloropropylene	ND @ 5.0 ug/Kg	NA	ND @ 5.0 ug/Kg	
1,2,3-Trichlorobenzene	ND @ 5.0 ug/Kg	NA	ND @ 5.0 ug/Kg	
1,2,3-Trichloropropane	ND @ 5.0 ug/Kg	NA	ND @ 5.0 ug/Kg	
1,2,3-Trimethylbenzene	ND @ 5.0 ug/Kg	NA	ND @ 5.0 ug/Kg	
1,2,4-Trichlorobenzene	ND @ 5.0 ug/Kg	NA	ND @ 5.0 ug/Kg	
1,2,4-Trimethylbenzene	ND @ 5.0 ug/Kg	5 ug/Kg	6 ug/Kg	
-Dibromo-3-chloropropane	ND @ 5.0 ug/Kg	NA	ND @ 5.0 ug/Kg	
1,2-Dibromoehtane	ND @ 5.0 ug/Kg	NA	ND @ 5.0 ug/Kg	
1,2-Dichlorobenzene	ND @ 5.0 ug/Kg	NĀ	ND @ 5.0 ug/Kg	
1,2-Dichloroethane	ND @ 5.0 ug/Kg	NA	ND @ 5.0 ug/Kg	
1,2-Dichloroethylene (Total)	ND @ 5.0 ug/Kg	NA	ND @ 5.0 ug/Kg	
1,2-Dichloropropane	ND @ 5.0 ug/Kg	NA	ND @ 5.0 ug/Kg	
1,3,5-Trimethylbenzene	ND @ 5.0 ug/Kg	ND @ 5.0 ug/Kg	ND @ 5.0 ug/Kg	
1,3-Dichlorobenzene	ND @ 5.0 ug/Kg	NA	ND @ 5.0 ug/Kg	
1,3-Dichloropropane	ND @ 5.0 ug/Kg	NA	ND @ 5.0 ug/Kg	
1,4-Dichlorobenzene	ND @ 5.0 ug/Kg	<u>NA</u>	ND @ 5.0 ug/Kg	
1-Chlorhexane	ND @ 5.0 ug/Kg	NA	ND @ 5.0 ug/Kg	
2,2-Dichloropropane	ND @ 5.0 ug/Kg	NA	ND @ 5.0 ug/Kg	
2-Chlorotoluene	ND @ 5.0 ug/Kg	NA	ND @ 5.0 ug/Kg	
4-Chlorotoluene	ND @ 5.0 ug/Kg	NA	ND @ 5.0 ug/Kg	
Benzene	ND @ 5.0 ug/Kg	ND @ 5.0 ug/Kg	ND @ 5.0 ug/Kg	
Bromobenzene	ND @ 5.0 ug/Kg	NA	ND @ 5.0 ug/Kg	
Bromochloromethane	ND @ 5.0 ug/Kg	NA	ND @ 5.0 ug/Kg	
Bromodichloromethane	ND @ 5.0 ug/Kg	NA	ND @ 5.0 ug/Kg	
Bromoform	ND @ 5.0 ug/Kg	<u>NA</u>	ND @ 5.0 ug/Kg	
Bromomethane	ND @ 5.0 ug/Kg	NA	ND @ 5.0 ug/Kg	
Carbon tetrachloride	ND @ 5.0 ug/Kg	<u>NA</u>	ND @ 5.0 ug/Kg	
Chlorbenzene	ND @ 5.0 ug/Kg	<u>NA</u>	ND @ 5.0 ug/Kg	
Chlorethane	ND @ 5.0 ug/Kg	NA	ND @ 5.0 ug/Kg	
Chlorform	ND @ 5.0 ug/Kg	<u>NA</u>	ND @ 5.0 ug/Kg	
Chlormethane	ND @ 5.0 ug/Kg	<u>NA</u>	ND @ 5.0 ug/Kg	
cis-1,3-Dichorpropylene	ND @ 5.0 ug/Kg	<u>NA</u>	ND @ 5.0 ug/Kg	
Dibromochloromethane	ND @ 5.0 ug/Kg	NA	ND @ 5.0 ug/Kg	
Dibromomethane	ND @ 5.0 ug/Kg		ND @ 5.0 ug/Kg	
Dichlorodifluoromethane	ND @ 5.0 ug/Kg	NA	ND @ 5.0 ug/Kg	
Ethylbenzene	ND @ 5.0 ug/Kg	ND @ 5.0 ug/Kg	ND @ 5.0 ug/Kg	
Hexachlorobutadiene	ND @ 5.0 ug/Kg	NA	ND @ 5.0 ug/Kg	

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Parameter	DLTP-TP49-6	DLTP-TP58-6	DLTP-TP89-6
Isopropylbenzene	ND @ 5.0 ug/Kg	ND @ 5.0 ug/Kg	ND @ 5.0 ug/Kg
Methylene chloride	ND @ 5.0 ug/Kg	32	ND @ 5.0 ug/Kg
Naphthalene	170	23	ND @ 5.0 ug/Kg
n-Butylbenzene	ND @ 5.0 ug/Kg	34	ND @ 5.0 ug/Kg
n-Propylbenzene	ND @ 5.0 ug/Kg	5 m	ND @ 5.0 ug/Kg
o-Xylene	ND @ 5.0 ug/Kg	7	ND @ 5.0 ug/Kg
p-&m- Xylenes	ND @ 5.0 ug/Kg	13	ND @ 5.0 ug/Kg
p-lsopropyltoluene	ND @ 5.0 ug/Kg	ND @ 5.0 ug/Kg	ND @ 5.0 ug/Kg
sec-Butylbenzene	ND @ 5.0 ug/Kg	ND @ 5.0 ug/Kg	ND @ 5.0 ug/Kg
Styrene	ND @ 5.0 ug/Kg	NA	ND @ 5.0 ug/Kg
tert-Butylbenzene	ND @ 5.0 ug/Kg	ND @ 5.0 ug/Kg	ND @ 5.0 ug/Kg
Tetrachloroethylene	ND @ 5.0 ug/Kg	NA	ND @ 5.0 ug/Kg
Toluene	ND @ 5.0 ug/Kg	ND @ 5.0 ug/Kg	ND @ 5.0 ug/Kg
ans-1,3-Dichloropropylene	ND @ 5.0 ug/Kg	NA	ND @ 5.0 ug/Kg
trichloroethylene	ND @ 5.0 ug/Kg	10	ND @ 5.0 ug/Kg
Trichlorofluoromethane	ND @ 5.0 ug/Kg	NA	ND @ 5.0 ug/Kg
Vinyl chloride	ND @ 5.0 ug/Kg	NA	ND @ 5.0 ug/Kg
Methyl-tert-butyl-ether	ND @ 5.0 ug/Kg	ND @ 5.0 ug/Kg	ND @ 5.0 ug/Kg
Total Xylenes	ND @ 5.0 ug/Kg	ND @ 5.0 ug/Kg	ND @ 5.0 ug/Kg

N/A - Not Analyzed

	Parameter	DLTP-TP101	DLTP-TP-104
1	1,2,4-Trichlorobenzene	ND @ 330 ug/Kg	ND @ 330 ug/Kg
1	1,2-Dichlorobenzene	ND @ 330 ug/Kg	ND @ 330 ug/Kg
	1,3-Dichlorobenzene	ND @ 330 ug/Kg	ND @ 330 ug/Kg
- 1	1,4-Dichlorobenzene		ND @ 330 ug/Kg
	2,4-Dinitrotoluene		ND @ 330 ug/Kg
	2,6-Dinitrotoluene		ND @ 330 ug/Kg
	2-Chloronaphthalene		ND @ 330 ug/Kg
Ì	2-Methylnaphthalene		ND @ 330 ug/Kg
ļ	2-Nitroanaline		ND @ 330 ug/Kg
	3-3'-Dichlorobenzidine		ND @ 330 ug/Kg
[	3-Nitroanaline		ND @ 330 ug/Kg
.	4-Bromophenyl phenyl ehter		ND @ 330 ug/Kg
	4-Chloroanaline		ND @ 330 ug/Kg
	4-Chlorphenyl phenyl ether		ND @ 330 ug/Kg
	4-Nitroanaline	ND @ 330 ug/Kg	
	Aceaphthene		ND @ 330 ug/Kg
	Acenaphthylene	ND @ 330 ug/Kg	ND @ 330 ug/Kg
	Anthracene	400	ND @ 330 ug/Kg
	Benzo(a)anthracene	1,200	ND @ 330 ug/Kg
-	Benzo(a)pyrene	2,300	ND @ 330 ug/Kg
	Benzo(b)flouranthene	900	ND @ 330 ug/Kg
	Benzo(g,h,l)perylene	430	ND @ 330 ug/Kg
أحييز	Benzo(k)flouranthene	1,200	ND @ 330 ug/Kg
	Bis(2-chloroethoxy)methane		ND @ 330 ug/Kg
	Bis(2-chloroethyl)ether		ND @ 330 ug/Kg
	Bis(2-chloroisopropyl)ether		ND @ 330 ug/Kg
	Bis(2-ethylhexyl)phthalate		ND @ 330 ug/Kg
	Butyl benzyl phthalate		ND @ 330 ug/Kg
	Chrysene	1,300	ND @ 330 ug/Kg
	Dibenzo(a,h)anthracene		ND @ 330 ug/Kg
	Dibenzofuran		ND @ 330 ug/Kg
	Diethylphthalate		ND @ 330 ug/Kg
	Dimethylphthalate		ND @ 330 ug/Kg
	Di-n-butylphthalate		ND @ 330 ug/Kg
	Di-n-octylphthalate		ND @ 330 ug/Kg
	Flouanthene	2,500	ND @ 330 ug/Kg
	Flourene	ND @ 330 ug/Kg	ND @ 330 ug/Kg
	Hexachlorobenzene	ND @ 330 ug/Kg	ND @ 330 ug/Kg
	Hexachlorobutadiene	ND @ 330 ug/Kg	ND @ 330 ug/Kg
	Hexachlorocylcopentadiene		ND @ 330 ug/Kg
-	Hexachloroethane	ND @ 330 ug/Kg	ND @ 330 ug/Kg
l	Indeno(1,2,3-cd)pyrene	ND @ 330 ug/Kg	ND @ 330 ug/Kg
	Isophorone	ND @ 330 ug/Kg	ND @ 330 ug/Kg
	Napthalene		ND @ 330 ug/Kg
			ND @ 330 ug/Kg
	Nitrobenzene		
	N-Nitrosodi-n-propylamine		ND @ 330 ug/Kg
	N-Nitrosodiphenylamine		ND @ 330 ug/Kg
	Phenanthrene		ND @ 330 ug/Kg
_	Pyrene	2,300	ND @ 330 ug/Kg
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	TABLE 1.0					
	City of Poughkeepsie					
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ſ			Pit Analytical Data			
Ļ	Parameter	DLTP-TP101	DLTP-TP-104			
		es 8260 List				
1	1,1,1,2-Tetrachloroethane	ND @ 5.0 ug/Kg	ND @ 5.0 ug/Kg			
ł	1,1,1-Trichloroethane	ND @ 5.0 ug/Kg	ND @ 5.0 ug/Kg			
- im (	1,1,2,2-Tetrachloroethane	ND @ 5.0 ug/Kg	ND @ 5.0 ug/Kg			
	1,12-Trichloroethane	ND @ 5.0 ug/Kg	ND @ 5.0 ug/Kg			
ł	1,1-Dichloroethane	ND @ 5.0 ug/Kg	ND @ 5.0 ug/Kg			
_	1,1-Dichloroethylene	ND @ 5.0 ug/Kg	ND @ 5.0 ug/Kg			
	1,1-Dichloropropylene	ND @ 5.0 ug/Kg	ND @ 5.0 ug/Kg			
	1,2,3-Trichlorobenzene	ND @ 5.0 ug/Kg	ND @ 5.0 ug/Kg			
Ę	1,2,3-Trichloropropane	ND @ 5.0 ug/Kg	ND @ 5.0 ug/Kg			
<b>1</b>	1,2,3-Trimethylbenzene	ND @ 5.0 ug/Kg	ND @ 5.0 ug/Kg			
	1,2,4-Trichlorobenzene	ND @ 5.0 ug/Kg	ND @ 5.0 ug/Kg			
	1,2,4-Trimethylbenzene	ND @ 5.0 ug/Kg	ND @ 5.0 ug/Kg			
- 📖 🛛	1,2-Dibromo-3-chloropropane	ND @ 5.0 ug/Kg	ND @ 5.0 ug/Kg			
	1,2-Dibromoehtane	ND @ 5.0 ug/Kg	ND @ 5.0 ug/Kg			
	1,2-Dichlorobenzene	ND @ 5.0 ug/Kg	ND @ 5.0 ug/Kg			
	1,2-Dichloroethane	ND @ 5.0 ug/Kg	ND @ 5.0 ug/Kg			
	1,2-Dichloroethylene (Total)	ND @ 5.0 ug/Kg	ND @ 5.0 ug/Kg			
	1,2-Dichloropropane	ND @ 5.0 ug/Kg	ND @ 5.0 ug/Kg			
-	1,3,5-Trimethylbenzene	ND @ 5.0 ug/Kg	ND @ 5.0 ug/Kg			
	1,3-Dichlorobenzene	ND @ 5.0 ug/Kg	ND @ 5.0 ug/Kg			
	1,3-Dichloropropane	ND @ 5.0 ug/Kg	ND @ 5.0 ug/Kg			
	1,4-Dichlorobenzene	ND @ 5.0 ug/Kg	ND @ 5.0 ug/Kg			
	1-Chlorhexane	ND @ 5.0 ug/Kg	ND @ 5.0 ug/Kg			
	2,2-Dichloropropane	ND @ 5.0 ug/Kg	ND @ 5.0 ug/Kg			
	2-Chlorotoluene	ND @ 5.0 ug/Kg	ND @ 5.0 ug/Kg			
	4-Chlorotoluene	ND @ 5.0 ug/Kg	ND @ 5.0 ug/Kg			
	Benzene	ND @ 5.0 ug/Kg	ND @ 5.0 ug/Kg			
	Bromobenzene	ND @ 5.0 ug/Kg				
-	Bromochloromethane	ND @ 5.0 ug/Kg	ND @ 5.0 ug/Kg			
	Bromodichloromethane	ND @ 5.0 ug/Kg	ND @ 5.0 ug/Kg			
	Bromoform		ND @ 5.0 ug/Kg			
	Bromomethane		ND @ 5.0 ug/Kg ND @ 5.0 ug/Kg			
	Carbon tetrachloride Chlorbenzene		ND @ 5.0 ug/Kg			
	Chlorethane		ND @ 5.0 ug/Kg			
	Chlorform		ND @ 5.0 ug/Kg			
	Chlormethane		ND @ 5.0 ug/Kg			
	cis-1,3-Dichorpropylene		ND @ 5.0 ug/Kg			
	Dibromochloromethane		ND @ 5.0 ug/Kg			
	Dibromomethane		ND @ 5.0 ug/Kg			
	Dichlorodifluoromethane		ND @ 5.0 ug/Kg			
	Ethylbenzene		ND @ 5.0 ug/Kg			
Maria	Hexachlorobutadiene		ND @ 5.0 ug/Kg			
		· · ·	<b></b>			

			TABLE 1.0
		Cit	y of Poughkeepsie
-		C	DeLaval Property
			Pit Analytical Data
	Parameter	DLTP-TP101	DLTP-TP-104
	Isopropylbenzene	ND @ 5.0 ug/Kg	ND @ 5.0 ug/Kg
	Methylene chloride		ND @ 5.0 ug/Kg
	Naphthalene	ND @ 5.0 ug/Kg	ND @ 5.0 ug/Kg
	n-Butylbenzene	ND @ 5.0 ug/Kg	ND @ 5.0 ug/Kg
	n-Propylbenzene	ND @ 5.0 ug/Kg	ND @ 5.0 ug/Kg
	o-Xylene	ND @ 5.0 ug/Kg	ND @ 5.0 ug/Kg
	p-&m- Xylenes	ND @ 5.0 ug/Kg	ND @ 5.0 ug/Kg
_	p-Isopropyltoluene	ND @ 5.0 ug/Kg	ND @ 5.0 ug/Kg
	sec-Butylbenzene	ND @ 5.0 ug/Kg	ND @ 5.0 ug/Kg
h.	Styrene	ND @ 5.0 ug/Kg	ND @ 5.0 ug/Kg
-	tert-Butylbenzene	ND @ 5.0 ug/Kg	ND @ 5.0 ug/Kg
	Tetrachloroethylene	ND @ 5.0 ug/Kg	ND @ 5.0 ug/Kg
•	Toluene	ND @ 5.0 ug/Kg	ND @ 5.0 ug/Kg
<u> Yun</u>	trans-1,3-Dichloropropylene	ND @ 5.0 ug/Kg	ND @ 5.0 ug/Kg
	trichloroethylene	ND @ 5.0 ug/Kg	ND @ 5.0 ug/Kg
	Trichlorofluoromethane	ND @ 5.0 ug/Kg	ND @ 5.0 ug/Kg
-	Vinyl chloride	ND @ 5.0 ug/Kg	ND @ 5.0 ug/Kg
	Methyl-tert-butyl-ether	ND @ 5.0 ug/Kg	ND @ 5.0 ug/Kg
1	Total Xylenes	ND @ 5.0 ug/Kg	ND @ 5.0 ug/Kg

		1
ND @ 33'000 n0\Kg	N-Nitrosodi-n-propylamine	
ND @ 33'000 nd/Kg	<u>Nitrobenzene</u>	
ND @ 33'000 n0\Kd	Napthalene	ļ
ND @ 33'000 nd\Kd	lsophorone	
ND @ 33'000 n0\K0	Indeno(1,2,3-cd)pyrene	
ND @ 33'000 n0\Kô	Hexachloroethane	4
ND @ 33'000 n0\K0	Hexachlorocylcopentadiene	
ND @ 33'000 n0\K@	Hexachlorobutadiene	
ND @ 33'000 n0\Kg	Hexachlorobenzene	
ND @ 33'000 n0\K0	Flourene	4
ND @ 33'000 n0\K0	Flouanthene	
ND @ 33'000 n0\K0	Di-n-octylphthalate	
ND @ 33'000 n0\Kg	Di-n-butylphthalate	
	Dimethylphthalate	
ND © 33'000 nô\Kô ND © 33'000 nô\Kô	Diethylphthalate	
ND @ 33'000 n0\Kd		1
ND @ 33'000 nd\Kd	Dibenzo(a,h)anthracene	
ND @ 33'000 nd/Kg	Chrysene	
	Butyl benzyl phthalate	
ND @ 33'000 nô\Kô	Bis(2-ethylinexyl)phthalate	
ND @ 33'000 n0\K0 ND @ 33'000 n0\K0	Bis(2-chloroisopropyl)ether	
	Bis(2-chloroethyl)ether	
ND @ 33'000 ng/Kg	Bis(2-chloroethoxy)methan	1
ND @ 33'000 n0\K0	Benzo(k)flouranthene	
ND @ 33'000 n0\K0	Benzo(g,h,l)penylene	
ND @ 33'000 n0\K0		I
ND @ 33'000 nô\Kô	Benzo(b)flouranthene	
ND @ 33'000 nô\Kô	Benzo(a)pyrene	
ND @ 33'000 nô\Kô	Benzo(a)anthracene	
ND @ 33'000 n0\K0	Anthracene	. '
ND @ 33'000 nô\Kô	Acenaphthylene	
ND @ 33'000 n0\K0	Annandrine	
ND @ 120'000 n0\Kd	4-Vitroanaline	Ì
ND @ 33'000 n0\K0	4-Chlorphenyl phenyl ether	
ND @ 33'000 n0\K0	4-Chloroanaline	
ND @ 33'000 n0\K0	4-Bromophenyl phenyl ehter	
ND @ 120'000 n0\K0	3-Nitroanaline	
ND @ 33'000 n0\K0	3-3'-Dichlorobenzidine	
ND @ 120'000 nd\Kd	2-Nitroanaline	1
ND @ 33'000 n0\K0	Z-Methylnaphthalene	
ND @ 33'000 nd\Kd	2-Chloronaphthalene	
ND @ 33'000 n0\Kd	2,6-Dinitrotoluene	
ND @ 33'000 nd\Kd	2,4-Dinitrotoluene	1
ND @ 33'000 n0/Kg	1,4-Dichlorobenzene	
ND @ 33'000 n0\K0	1,3-Dichlorobenzene	
ND @ 33'000 nd\Kd	1,2-Dichlorobenzene	(
ND @ 33'000 n0\K0	1,2,4-Trichlorobenzene	
1P-89	Parameter	

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	Parameter	TP-89
	N-Nitrosodiphenylamine	ND @ 33,000 ug/Kg
-	Phenanthrene	ND @ 33,000 ug/Kg
	Pyrene	ND @ 33,000 ug/Kg

N/A - Not Analyzed

.

### TABLE 2.0 City of Poughkeepsle DeLaval Property Soil Boring Analytical Data

Parameter	COP-SB1-6	COP-SB8-4	COP-MW5-8	COP-MW9-10	COP-MW@-8	COP-MW12-5
			Semi-Volatiles			
Acenaphthene	NA	NA	740	ND @ 1,700 ug/Kg	NA	ND @ 330 ug/Kg
Anthracene	NA	NA	ND @ 330 ug/Kg	ND @ 1,700 ug/Kg	NA	ND @ 330 ug/Kg
Fenzo(a)anthracene	NA	NA	ND @ 330 ug/Kg	ND @ 1,700 ug/Kg	NA	ND @ 330 ug/Kg
Benzo(a)pyrene	NA	NA	ND @ 330 ug/Kg	ND @ 1,700 ug/Kg	NA	ND @ 330 ug/Kg
enzo(b)flouranthene	NA	NA	ND @ 330 ug/Kg	ND @ 1,700 ug/Kg	NA	ND @ 330 ug/K
Benzo(g,h,l)perylene	NA	NA	ND @ 330 ug/Kg	ND @ 1,700 ug/Kg	NA	ND @ 330 ug/K
Benzo(k)flouranthene	NA NA	NA	ND @ 330 ug/Kg	ND @ 1,700 ug/Kg	NA	ND @ 330 ug/K
Chyrsene	NA	NA	1,200	ND @ 1,700 ug/Kg	NA	ND @ 330 ug/K
benz(a,h)anthracene	NA	NA	ND @ 330 ug/Kg	ND @ 1,700 ug/Kg	NA	ND @ 330 ug/K
Fluoranthene	NA	NA	ND @ 330 ug/Kg	ND @ 1,700 ug/Kg	NA	ND @ 330 ug/K
Fluroene	NA	NA	800	ND @ 1,700 ug/Kg	NA	ND @ 330 ug/K
eno(1,2,3-cd)pyrene	NA	NA	ND @ 330 ug/Kg	ND @ 1,700 ug/Kg	NA	ND @ 330 ug/K
Napthalene	NÁ	NA	ND @ 330 ug/Kg	ND @ 1,700 ug/Kg	NA	ND @ 330 ug/K
Phenanthrene	NA	NA	ND @ 330 ug/Kg	ND @ 1,700 ug/Kg	NA	ND @ 330 ug/K
Pyrene	NA	NA	490	ND @ 1,700 ug/Kg	NA	ND @ 330 ug/K
Parameter	COP-SB1-6	COP-SB8-4	COP-MW5-8	COP-MW9-10	COP-MW3-8	COP-MW12-5
1			Volatile		-	
4-Trimethylbenzene	NA	NA	5	13	NA	5
3,5-Trimethylbenzene	NA	NA	5	10	NA	5
Benzene	NA	NA	ND @ 10 ug/Kg	ND @ 10 ug/Kg	NA	ND @ 5.0 ug/K
Ethylbenzene	NA	NA	ND @ 10 ug/Kg	ND @ 10 ug/Kg	NA	ND @ 5.0 ug/K
Isopropylbenzene	NA	• NA	150	16	NA	9
MTBE	NA	NA	ND @ 10 ug/Kg	ND @ 10 ug/Kg	NA	ND @ 5.0 ug/K
Naphthalene	NA	NA	ND @ 10 ug/Kg	ND @ 10 ug/Kg	NA	ND @ 5.0 ug/K
n-Butylbenzene	- NA	NA	47	ND @ 10 ug/Kg	NA	ND @ 5.0 ug/K
n-Propylbenzene	NA	NA	26	ND @ 10 ug/Kg	NA	ND @ 5.0 ug/K
o-Xylene	NA	NA	ND @ 10 ug/Kg	ND @ 10 ug/Kg	NA	ND @ 10 ug/K
p- & m-Xylene	NA	NA	24	86	NA	ND @ 10 ug/K
p-isopropyibenzene	NA	NA	51	ND @ 10 ug/Kg	NA	ND @ 5.0 ug/K
sec-Butylbenzene	NA	NA	44	15	NA	ND @ 5.0 ug/K
tert-Butylbenzene	NA	NA	16	ND @ 10 ug/Kg	NA	ND @ 5.0 ug/K
Toluene	NA	NÁ	10	12	NA	ND @ 5.0 ug/K
Total Xylenes	NA	NA	24	86	NA	ND @ 5.0 ug/K
Parameter	COP-SB1-6	COP-SB8-4	COP-MW5-8	COP-MW9-10	COP-MW3-8	COP-MW9-10
TCLP Arsenic	ND @ 0.010	ND @ 0.010	NA	NA	ND @ 0.010	ŇA
TCLP Barium	0.955	0.647	NA	NA	0.654	. NA
TCLP Cadmium	ND @ 0.005	ND @ 0.005	NA	NA	ND @ 0.005	NA
TCLP Chromium	ND @ 0.005	ND @ 0.005	NA	NA	0.015	NA
TCLP Lead	0.028	0.953	NA NA	NA	0.032	NA.
TCLP Selenium	ND @ 0.010	ND @ 0.010	NA	NA	ND @ 0.010	NA
TCLP Silver	ND @ 0.005	ND @ 0.005	NA	NA	ND @ 0.005	NA
TCLP Mercury	0.0063	0.0066	NA	NĀ	0.0056	NA
Total Cyanide	NA	NA	NA	NA	NA	NA

#### TABLE 3.0 City of Poughkeepsie DeLaval Property Ground Water Analytical Data

	Parameter	COP-MW-1	COP-MW-2	COP-MW-3	COP-MW-4
ſ	1,2,4-Trichlorobenzene	ND @ 10 ug/L			
L L	1,2-Dichlorobenzene	ND @ 10 ug/L			
	1,3-Dichlorobenzene	ND @ 10 ug/L			
Ē	1,4-Dichlorobenzene	ND @ 10 ug/L			
{-[	2,4-Dinitrotoluene	ND @ 10 ug/L			
	2,6-Dinitrotoluene	ND @ 10 ug/L			
ſ	2-Chloronaphthalene	ND @ 10 ug/L			
[	2-Methylnaphthalene	ND @ 10 ug/L			
·.	2-Nitroanaline	ND @ 10 ug/L	N/D at 50 <i>u</i> g/L	ND @ 10 ug/L	ND @ 10 ug/L
_	3-3'-Dichlorobenzidine	ND @ 10 ug/L			
	3-Nitroanaline	ND @ 10 ug/L	N/D at 50 ug/L	ND @ 10 ug/L	ND @ 10 ug/L
	4-Bromophenyl phenyl ehter	ND @ 10 ug/L			
	4-Chloroanaline	ND @ 10 ug/L			
[	4-Chlorphenyl phenyl ether	ND @ 10 ug/L			
	4-Nitroanaline	ND @ 10 ug/L			
	Aceaphthene	ND @ 10 ug/L			
ļ	Acenaphthylene	ND @ 10 ug/L			
Ļ	Anthracene	ND @ 10 ug/L			
- <b>1</b>	Benzo(a)anthracene	ND @ 10 ug/L			
ļ	Benzo(a)pyrene	ND @ 10 ug/L			
	Benzo(b)flouranthene	ND @ 10 ug/L			
	Benzo(g,h,l)perylene	ND @ 10 ug/L			
	Benzo(k)flouranthene	ND @ 10 ug/L			
	Bis(2-chloroethoxy)methane	ND @ 10 ug/L			
	Bis(2-chloroethyl)ether	ND @ 10 ug/L			
	Bis(2-chloroisopropyl)ether	ND @ 10 ug/L			
	Bis(2-ethylhexyl)phthalate	ND @ 10 ug/L			
	Butyl benzyl phthalate	ND @ 10 ug/L ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L ND @ 10 ug/L
	Chrysene	ND @ 10 ug/L ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L ND @ 10 ug/L	ND @ 10 ug/L
ŀ	Dibenzo(a,h)anthracene	ND @ 10 ug/L	ND @ 10 ug/L ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L
	Dibenzofuran	ND @ 10 ug/L			
- <b>1</b>	Diethylphthalate Dimethylphthalate	ND @ 10 ug/L			
ŀ	Di-n-butylphthalate	ND @ 10 ug/L			
2	Di-n-octylphthalate	ND @ 10 ug/L			
- 100	Flouanthene	ND @ 10 ug/L			
ł	Flourene	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L	
	Hexachlorobenzene		ND @ 10 ug/L		
	Hexachlorobutadiene	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L	
	Hexachlorocylcopentadiene	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L	
ŀ	Hexachloroethane	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L	
<u>.</u>	Indeno(1,2,3-cd)pyrene	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L	
	Isophorone	ND @ 10 ug/L			
ŀ	Napthalene	ND @ 10 ug/L			
	Nitrobenzene	ND @ 10 ug/L			
	N-Nitrosodi-n-propylamine	ND @ 10 ug/L			
L	it ittlessed it propjialitie				

#### TABLE 3.0

### City of Poughkeepsie

DeLaval Property

		Groui	nd Water Analytic	cal Data	
2	Parameter	COP-MW-1	COP-MW-2	COP-MW-3	COP-MW-4
	N-Nitrosodiphenylamine	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L
	Phenanthrene	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L
	Pyrene	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L
	1,1,1,2-Tetrachloroethane	N/A	ND @ 1 ug/L	N/A	N/A
	1,1,1-Trichloroethane	N/A	ND @ 1 ug/L	N/A	N/A
	1,1,2,2-Tetrachloroethane	· N/A	ND @ 1 ug/L	N/A	N/A
	1,12-Trichloroethane	N/A	ND @ 1 ug/L	N/A	
	1,1-Dichloroethane	N/A	ND @ 1 ug/L	N/A	 N/A
	1,1-Dichloroethylene	N/A	ND @ 1 ug/L	N/A	N/A
K	1,1-Dichloropropylene	N/A	ND @ 1 ug/L	N/A	N/A
-	1,2,3-Trichlorobenzene	N/A	ND @ 1 ug/L	N/A	N/A
	1,2,3-Trichloropropane	N/A	ND @ 1 ug/L	N/A	N/A
	1,2,3-Trimethylbenzene	N/A	ND @ 1 ug/L	N/A	N/A
	1,2,4-Trichlorobenzene	N/A	ND @ 1 ug/L	N/A	N/A
	1,2,4-Trimethylbenzene	ND @ 1 ug/L	15 ug/L	ND @ 1 ug/L	ND @ 1 ug/L
	1,2-Dibromo-3-chloropropane	N/A	ND @ 1 ug/L	N/A	N/A
	1,2-Dibromoehtane	<u>N/A</u>	ND @ 1 ug/L	N/A	N/A
	1,2-Dichlorobenzene	N/A	ND @ 1 ug/L	N/A	N/A
	1,2-Dichloroethane	N/A	ND @ 1 ug/L	N/A	N/A
Internet	1,2-Dichloroethylene (Total)	N/A	ND @ 1 ug/L	N/A	N/A
	1,2-Dichloropropane	Ň/A	ND @ 1 ug/L	N/A	N/A
	1,3,5-Trimethylbenzene	ND @ 1 ug/L	4 ug/L	ND @ 1 ug/L	ND @ 1 ug/L
	1,3-Dichlorobenzene	N/A	ND @ 1 ug/L	N/A	N/A
	1,3-Dichloropropane	N/A	ND @ 1 ug/L	N/A	N/A
	1,4-Dichlorobenzene	N/A	ND @ 1 ug/L	N/A	N/A
×.	1-Chlorhexane	N/A	ND @ 1 ug/L	N/A	N/A
	2,2-Dichloropropane	N/A	ND @ 1 ug/L	N/A	· N/A
	2-Chlorotoluene	N/A	ND @ 1 ug/L	N/A	N/A
	4-Chlorotoluene	N/A	ND @ 1 ug/L	N/A	N/A
	Benzene	ND @ 1 ug/L	ND @ 1 ug/L	ND @ 1 ug/L	ND @ 1 ug/L
	Bromobenzene	N/A	ND @ 1 ug/L	N/A	N/A
	Bromochloromethane	N/A	ND @ 1 ug/L	N/A	N/A
	Bromodichloromethane	N/A	ND @ 1 ug/L	N/A	N/A
	Bromoform	N/A	ND @ 1 ug/L	N/A	N/A
	Bromomethane	N/A	ND @ 1 ug/L	N/A	N/A
	Carbon tetrachloride	N/A	ND @ 1 ug/L	N/A	N/A
	Chlorbenzene	N/A	ND @ 1 ug/L	N/A	N/A
	Chlorethane	N/A	ND @ 1 ug/L	N/A	N/A
منظر	Chlorform	N/A	ND @ 1 ug/L	N/A	<u>N/A</u>
-	Chlormethane	N/A	ND @ 1 ug/L	N/A	N/A
	cis-1,3-Dichorpropylene	N/A	ND @ 1 ug/L	N/A	N/A
1	Dibromochloromethane	N/A	ND @ 1 ug/L	N/A	N/A
	Dibromomethane	<u>N/A</u>	ND @ 1 ug/L	N/A	N/A
	Dichlorodifluoromethane	N/A	ND @ 1 ug/L	N/A	N/A
	Ethylbenzene	ND @ 1 ug/L	1 ug/L	ND @ 1 ug/L	ND @ 1 ug/L
Ì	Hexachlorobutadiene	<u>N/A</u>	ND @ 1 ug/L	N/A	N/A

#### TABLE 3.0 City of Poughkeepsie DeLaval Property

	Ground Water Analytical Data					
	Parameter	COP-MW-1	COP-MW-2	COP-MW-3	COP-MW-4	
	Isopropylbenzene	ND @ 1 ug/L				
l	Methylene chloride	N/A	ND @ 1 ug/L	N/A	N/A	
[	Naphthalene	ND @ 1 ug/L	79 u g/L	ND @ 1 ug/L	ND @ 1 ug/L	
	n-Butylbenzene	ND @ 1 ug/L	1 ug/L	ND @ 1 ug/L	ND @ 1 ug/L	
1	n-Propylbenzene	ND @ 1 ug/L	1ug/L	ND @ 1 ug/L	ND @ 1 ug/L	
ſ	o-Xylene	ND @ 2 ug/L	3 ug/L	ND @ 2 ug/L	ND @ 2 ug/L	
Ì	p-&m- Xylenes	ND @ 2 ug/L	14 u g/L	ND @ 2 ug/L	ND @ 2 ug/L	
L	p-Isopropyltoluene	ND @ 1 ug/L				
[	sec-Butylbenzene	ND @ 1 ug/L				
- jana	Styrene	N/A	ND @ 1 ug/L	<u>N/A</u>	N/A	
—	tert-Butylbenzene	ND @ 1 ug/L	2_ug/L_	ND @ 1 ug/L	ND @ 1 ug/L	
[	Tetrachloroethylene	N/A	ND @ 1 ug/L	N/A	N/A	
ا مىشۇ	Toluene	ND @ 1 ug/L				
	trans-1,3-Dichloropropylene	N/A	ND @ 1 ug/L	N/A	<u>N/A</u>	
- {	trichloroethylene	N/A	ND @ 1 ug/L	N/A	N/A	
	Trichlorofluoromethane	N/A	ND @ 1 ug/L	<u>N/A</u>	N/A	
	Vinyl chloride	N/A	ND @ 1 ug/L	<u>N/A</u>	N/A	
ĺ	Methyl-tert-butyl-ether	ND @ 1 ug/L	N/A	ND @ 1 ug/L	ND @ 1 ug/L	
[	Total Xylenes	ND @ 2 ug/L	N/A	ND @ 2 ug/L	ND @ 2 ug/L	

N/A - Not Analyzed

#### TABLE 3.0 City Of Poughkeepsie DeLaval Property Ground Water Analytical Data

Parameter	COP-MW-5	COP-MW-6	COP-MW-7	COP-MW-8
1,2,4-Trichlorobenzene	ND @ 10 ug/L			
1,2-Dichlorobenzene	ND @ 10 ug/L			
1,3-Dichlorobenzene	ND @ 10 ug/L			
1,4-Dichlorobenzene	ND @ 10 ug/L			
2,4-Dinitrotoluene	ND @ 10 ug/L			
2,6-Dinitrotoluene	ND @ 10 ug/L			
2-Chloronaphthalene	ND @ 10 ug/L			
2-Methylnaphthalene	ND @ 10 ug/L			
2-Nitroanaline	ND @ 10 ug/L			
3-3'-Dichlorobenzidine	ND @ 10 ug/L			
3-Nitroanaline	ND @ 10 ug/L			
4-Bromophenyl phenyl ehter	ND @ 10 ug/L			
4-Chloroanaline	ND @ 10 ug/L			
4-Chlorphenyl phenyl ether	ND @ 10 ug/L			
4-Nitroanaline	ND @ 10 ug/L			
Aceaphthene	ND @ 10 ug/L			
Acenaphthylene	ND @ 10 ug/L			
Anthracene	ND @ 10 ug/L			
Benzo(a)anthracene	ND @ 10 ug/L			
Benzo(a)pyrene	ND @ 10 ug/L			
Benzo(b)flouranthene	ND @ 10 ug/L			
Benzo(g,h,l)perylene	ND @ 10 ug/L			
Benzo(k)flouranthene	ND @ 10 ug/L			
Bis(2-chloroethoxy)methane	ND @ 10 ug/L			
Bis(2-chloroethyl)ether	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L ND @ 10 ug/L
Bis(2-chloroisopropyl)ether	ND @ 10 ug/L ND @ 10 ug/L			
Bis(2-ethylhexyl)phthalate Butyl benzyl phthalate	ND @ 10 ug/L			
Chrysene	ND @ 10 ug/L			
Dibenzo(a,h)anthracene	ND @ 10 ug/L			
Dibenzofuran	ND @ 10 ug/L			
Diethylphthalate	ND @ 10 ug/L			
Dimethylphthalate	ND @ 10 ug/L			
Di-n-butylphthalate	ND @ 10 ug/L			
Di-n-octylphthalate	ND @ 10 ug/L			
Flouanthene	ND @ 10 ug/L			
Flourene	ND @ 10 ug/L			
Hexachlorobenzene	ND @ 10 ug/L			
Hexachlorobutadiene	ND @ 10 ug/L			
Hexachlorocylcopentadiene	ND @ 10 ug/L			
Hexachloroethane	ND @ 10 ug/L			
Indeno(1,2,3-cd)pyrene	ND @ 10 ug/L			
Isophorone	ND @ 10 ug/L			
Napthalene	ND @ 10 ug/L			
Nitrobenzene	ND @ 10 ug/L			
N-Nitrosodi-n-propylamine	ND @ 10 ug/L			

#### TABLE 3.0

#### City Of Poughkeepsie

DeLaval Property

	Ground Water Analytical Data						
	Parameter	COP-MW-5	COP-MW-6	COP-MW-7	COP-MW-8		
	N-Nitrosodiphenylamine	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L		
	Phenanthrene	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L		
	Pyrene	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L		
	1,1,1,2-Tetrachloroethane	NA	NA	NA	NA		
	1,1,1-Trichloroethane	NA	NA	NA	NA		
	1,1,2,2-Tetrachloroethane	· NA	NA	NA	NA		
	1,12-Trichloroethane	NA	NA	NA	NA		
	1,1-Dichloroethane	NA	NA	NA	NA		
	1,1-Dichloroethylene	NA	NA	NA	NA		
8	1,1-Dichloropropylene	NA	NA	NA	NA .		
-	1,2,3-Trichlorobenzene	NA	NA	NA	NA		
	1,2,3-Trichloropropane	NA	NA	NA	NA		
	1,2,3-Trimethylbenzene	NA	NA	NA	NA		
	1,2,4-Trichlorobenzene	NA	NA	NA	NA		
	1,2,4-Trimethylbenzene	ND @ 1 ug/L	ND @ 1 ug/L	ND @ 1 ug/L	ND @ 1 ug/L		
ş	1,2-Dibromo-3-chloropropane	<u>NA</u>	NA	NA	NA		
	1,2-Dibromoehtane	NA	NA	NA	NA		
	1,2-Dichlorobenzene	NA	NA	NA	NA		
	1,2-Dichloroethane	NA	NA	NA	NA		
Ì	1,2-Dichloroethylene (Total)	NĀ	NA	NA	NA		
	1,2-Dichloropropane	NA	NA	NA	NA		
	1,3,5-Trimethylbenzene	ND @ 1 ug/L	ND @ 1 ug/L	ND @ 1 ug/L	ND @ 1 ug/L		
	1,3-Dichlorobenzene	NA	NA	NA	NA		
-	1,3-Dichloropropane	NA	NA	NA	NA		
	1,4-Dichlorobenzene	NA	NA	NA	NA		
<b>.</b>	1-Chlorhexane	NA	NA	NA	NA		
	2,2-Dichloropropane	NA	NA	NA	NA		
	2-Chlorotoluene	NA	NA	NA	NA		
	4-Chlorotoluene	NA	NA	NA	NA		
	Benzene	ND @ 1 ug/L	ND @ 1 ug/L	ND @ 1 ug/L	ND @ 1 ug/L		
	Bromobenzene	NA	NA	NA	NA		
	Bromochloromethane	NA	NA	NA	NA NA		
Ĩ.	Bromodichloromethane	NA NA	NA NA	NA NA	NA NA		
	Bromoform Bromomethane			NA NA	NA		
	Carbon tetrachloride	NA NA	NA NA	NA	NA		
	Chlorbenzene	NA <sup>®</sup>	NA	NA			
	Chlorethane	NA	NA	NA	NA NA		
	Chlorform	NA	NA	NA	NA		
	Chlormethane	NA	NA	NA	NA		
	cis-1,3-Dichorpropylene	NA	NA	NA	NA		
	Dibromochloromethane	NA	NA	NA	NA		
	Dibromomethane	NA	NA	NA	NA		
	Dichlorodifluoromethane	NA	NA	NA	NA		
	Ethylbenzene	ND @ 1 ug/L	1 ug/L	ND @ 1 ug/L	ND @ 1 ug/L		
	Hexachlorobutadiene	NA	NA NA	NA	NA NA		
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#### TABLE 3.0 City Of Poughkeepsie DeLaval Property

	Ground Water Analytical Data					
Ann ar	Parameter	COP-MW-5	COP-MW-6	COP-MW-7	COP-MW-8	
	Isopropylbenzene	ND @ 1 ug/L				
	Methylene chloride	NA	NA	NA	NA	
	Naphthalene	ND @ 1 ug/L				
	n-Butylbenzene	ND @ 1 ug/L				
Í	n-Propylbenzene	ND @ 1 ug/L				
	o-Xylene	ND @ 1 ug/L				
	p-&m- Xylenes	ND @ 1 ug/L				
	p-Isopropyltoluene	ND @ 1 ug/L				
	sec-Butylbenzene	ND @ 1 ug/L				
Ře	Styrene	NA	ND @ 1 ug/L	NA	NA	
	tert-Butylbenzene_	ND @ 1 ug/L				
	Tetrachloroethylene	NA	NA	NA	NA	
-	Toluene	ND @ 1 ug/L				
-	trans-1,3-Dichloropropylene	NA	NA	NA	<u>NA</u>	
	trichloroethylene	NA	NA	NA	NA	
1	Trichlorofluoromethane	NA	NA	NA	NA	
	Vinyl chloride	<u>NA</u>	<u>NA</u> .	<u> </u>	NA	
	Methyl-tert-butyl-ether	ND @ 1 ug/L				
	Total Xylenes	ND @ ug/L	ND @ ug/L	ND @ ug/L	ND @ ug/L	

N/A - Not Analyzed

### TABLE 3.0City of PoughkeepsieDeaval PropertyGround Water Analytical Data

	Parameter	COP-MW-9	COP-MW-10	COP-MW-11	COP-MW-13
	1,2,4-Trichlorobenzene	ND @ 10 ug/L	ND @ 10 ug/L	NA	ND @ 10 ug/L
	1,2-Dichlorobenzene	ND @ 10 ug/L	ND @ 10 ug/L	NA	ND @ 10 ug/L
<b>(</b> )	1,3-Dichlorobenzene	ND @ 10 ug/L	ND @ 10 ug/L	NA	ND @ 10 ug/L
	1,4-Dichlorobenzene	ND @ 10 ug/L	ND @ 10 ug/L	NA	ND @ 10 ug/L
	2,4-Dinitrotoluene	ND @ 10 ug/L	ND @ 10 ug/L	NA	ND @ 10 ug/L
	2,6-Dinitrotoluene	ND @ 10 ug/L	ND @ 10 ug/L	NA	ND @ 10 ug/L
_	2-Chloronaphthalene	ND @ 10 ug/L	ND @ 10 ug/L	NA	ND @ 10 ug/L
	2-Methylnaphthalene	ND @ 10 ug/L	ND @ 10 ug/L	NA	ND @ 10 ug/L
-	2-Nitroanaline	ND @ 10 ug/L	ND @ 10 ug/L	NA	ND @ 10 ug/L
	3-3'-Dichlorobenzidine	ND @ 10 ug/L	ND @ 10 ug/L	NA	ND @ 10 ug/L
	3-Nitroanaline	ND @ 10 ug/L	ND @ 10 ug/L	NA	ND @ 10 ug/L
•.	Fromophenyl phenyl ehter	ND @ 10 ug/L	ND @ 10 ug/L	NA	ND @ 10 ug/L
_	4-Chloroanaline	ND @ 10 ug/L	ND @ 10 ug/L	NA	ND @ 10 ug/L
4-	Chlorphenyl phenyl ether	ND @ 10 ug/L	ND @ 10 ug/L	<u>NA</u>	ND @ 10 ug/L
<b>.</b>	4-Nitroanaline	ND @ 10 ug/L	ND @ 10 ug/L	NA	ND @ 10 ug/L
-	Aceaphthene	ND @ 10 ug/L	ND @ 10 ug/L	NA	ND @ 10 ug/L
_	Acenaphthylene	ND @ 10 ug/L	ND @ 10 ug/L	NA	ND @ 10 ug/L
	Anthracene	ND @ 10 ug/L	ND @ 10 ug/L	NA	ND @ 10 ug/L
	Benzo(a)anthracene	ND @ 10 ug/L	ND @ 10 ug/L	NA	ND @ 10 ug/L
	Benzo(a)pyrene	ND @ 10 ug/L	ND @ 10 ug/L	NA	ND @ 10 ug/L
	Benzo(b)flouranthene	ND @ 10 ug/L	ND @ 10 ug/L	NA	ND @ 10 ug/L
	Benzo(g,h,l)perylene	ND @ 10 ug/L	ND @ 10 ug/L	<u>NA</u>	ND @ 10 ug/L
<u></u>	Benzo(k)flouranthene	ND @ 10 ug/L	ND @ 10 ug/L	NA	ND @ 10 ug/L
	(2-chloroethoxy)methane	ND @ 10 ug/L	ND @ 10 ug/L	NA	ND @ 10 ug/L
- C	Bis(2-chloroethyl)ether	ND @ 10 ug/L	ND @ 10 ug/L	NA	ND @ 10 ug/L
-	s(2-chloroisopropyl)ether	ND @ 10 ug/L	ND @ 10 ug/L	NA	ND @ 10 ug/L
	s(2-ethylhexyl)phthalate	ND @ 10 ug/L	ND @ 10 ug/L	NA	ND @ 10 ug/L
9au - 14	Butyl benzyl phthalate	ND @ 10 ug/L ND @ 10 ug/L	ND @ 10 ug/L	NA	ND @ 10 ug/L
	Chrysene Dibenzo(a,h)anthracene	ND @ 10 ug/L	ND @ 10 ug/L	NA	ND @ 10 ug/L
	Dibenzofuran	ND @ 10 ug/L	ND @ 10 ug/L ND @ 10 ug/L	NA	ND @ 10 ug/L
÷	Diethylphthalate	ND @ 10 ug/L	ND @ 10 ug/L	NA	ND @ 10 ug/L
	Dimethylphthalate	ND @ 10 ug/L	ND @ 10 ug/L	NA NA	ND @ 10 ug/L
	Di-n-butylphthalate	ND @ 10 ug/L	ND @ 10 ug/L	<u>NA</u>	ND @ 10 ug/L ND @ 10 ug/L
: •	Di-n-octylphthalate	ND @ 10 ug/L	ND @ 10 ug/L	<u>_NA</u>	ND @ 10 ug/L
	Flouanthene	ND @ 10 ug/L	ND @ 10 ug/L	NA	ND @ 10 ug/L
_	Flourene	ND @ 10 ug/L	ND @ 10 ug/L	<u>NA</u>	ND @ 10 ug/L
-	Hexachlorobenzene	ND @ 10 ug/L	ND @ 10 ug/L	<u>NA</u>	ND @ 10 ug/L
	Hexachlorobutadiene	ND @ 10 ug/L	ND @ 10 ug/L	NA	ND @ 10 ug/L
	xachlorocylcopentadiene	ND @ 10 ug/L	ND @ 10 ug/L	NA	ND @ 10 ug/L
	Hexachloroethane	ND @ 10 ug/L	ND @ 10 ug/L	NA	ND @ 10 ug/L
è. Marina	ndeno(1,2,3-cd)pyrene	ND @ 10 ug/L	ND @ 10 ug/L	NA	ND @ 10 ug/L
	Isophorone	ND @ 10 ug/L	ND @ 10 ug/L	NA	ND @ 10 ug/L
	Napthalene	ND @ 10 ug/L	ND @ 10 ug/L	NA	ND @ 10 ug/L
	Nitrobenzene	ND @ 10 ug/L	ND @ 10 ug/L	NA	ND @ 10 ug/L
	Nitrosodi-n-propylamine	ND @ 10 ug/L	ND @ 10 ug/L	NA	ND @ 10 ug/L
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#### TABLE 3.0

### City of Poughkeepsie Deaval Property

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	lytical Data			
Parameter	COP-MW-9	COP-MW-10	COP-MW-11	COP-MW-13
-Nitrosodiphenylamine	ND @ 10 ug/L	ND @ 10 ug/L	NA	ND @ 10 ug/L
Phenanthrene	ND @ 10 ug/L	ND @ 10 ug/L	NA	ND @ 10 ug/L
Pyrene	ND @ 10 ug/L	ND @ 10 ug/L	NA	ND @ 10 ug/L
1,2-Tetrachloroethane	ND @ 1 ug/L	NA	NA	NA
1,1,1-Trichloroethane	ND @ 1 ug/L	NA	NA	NA
1,2,2-Tetrachloroethane	ND @ 1 ug/L	NA	NA	NA
1,12-Trichloroethane	ND @ 1 ug/L	NA	NA	NA
1,1-Dichloroethane	ND @ 1 ug/L	NA	NA	NA
1,1-Dichloroethylene	ND @ 1 ug/L	NA	NA	NA
1-Dichloropropylene	ND @ 1 ug/L	NA	NA	NA
,2,3-Trichlorobenzene	ND @ 1 ug/L	NA	NA	NA
1,2,3-Trichloropropane	ND @ 1 ug/L	NA	NA	NA
2,3-Trimethylbenzene	ND @ 1 ug/L	NA	NA	NA
2,4-Trichlorobenzene	ND @ 1 ug/L	NA	NA	NA
1,2,4-Trimethylbenzene	5 <i>u</i> g/L	ND @ 1 ug/L	ND @ 1 ug/L	ND @ 1 ug/L
Dibromo-3-chloropropane	ND @ 1 ug/L	NA	NA	NA NA
1,2-Dibromoehtane	ND @ 1 ug/L	NA	NA	NA
1,2-Dichlorobenzene	ND @ 1 ug/L	NA	NA	NA
1,2-Dichloroethane	ND @ 1 ug/L	NA	NA	NA
Dichloroethylene (Total)	ND @ 1 ug/L	NA	NA	NA
1,2-Dichloropropane	ND @ 1 ug/L	NĂ	NA	NA
1,3,5-Trimethylbenzene	ND @ 1 ug/L	ND @ 1 ug/L	ND @ 1 ug/L	ND @ 1 ug/L
1,3-Dichlorobenzene	ND @ 1 ug/L	NA	NA	NA
1,3-Dichloropropane	ND @ 1 ug/L	NA	NA	NA
1,4-Dichlorobenzene	ND @ 1 ug/L	NA	NA	NA
1-Chlorhexane	ND @ 1 ug/L	NA	NA	NA
2,2-Dichloropropane	ND @ 1 ug/L	NA	NA	NA
2-Chlorotoluene	ND @ 1 ug/L	NA	NA	NA
4-Chlorotoluene	ND @ 1 ug/L	NA	NA	NA
Benzene	ND @ 1 ug/L	ND @ 1 ug/L	ND @ 1 ug/L	ND @ 1 ug/L
Bromobenzene	ND @ 1 ug/L	NA	NA	NA
Bromochloromethane	ND @ 1 ug/L	NA	NA	NA
promodichloromethane	<u>ND @ 1 ug/L</u>	NA	NA	NA
Bromoform	ND @ 1 ug/L	NA	NA	NA
Bromomethane	_ND @ 1 ug/L	NA	NA	<u>NA</u>
Carbon tetrachloride	ND @ 1 ug/L	NA	NA	NA
Chlorbenzene	ND @ 1 ug/L	NA	NA	NA
Chlorethane	ND @ 1 ug/L	NA	NA	NA
Chlorform	ND @ 1 ug/L	NA	NA	<u>_NA</u>
Chlormethane	ND @ 1 ug/L	NA	NA	NA
cis-1,3-Dichorpropylene	ND @ 1 ug/L	NA	NA	<u>_NA</u>
Dibromochloromethane	ND @ 1 ug/L	NA	NA	NA
Dibromomethane	ND @ 1 ug/L	NA	NA	NA
Dichlorodifluoromethane	ND @ 1 ug/L	NA	NA	NA
Ethylbenzene	ND @ 1 ug/L	ND @ 1 ug/L	ND @ 1 ug/L	ND @ 1 ug/L
Hexachlorobutadiene	ND @ 1 ug/L	NA	NA	NA

#### TABLE 3.0

#### City of Poughkeepsie Deaval Property

	Deavair topetty						
	Gr	Ground Water Analytical Data					
Parameter	COP-MW-9	COP-MW-10	COP-MW-11	COP-MW-13			
Isopropylbenzene	ND @ 1 ug/L	ND @ 1 ug/L	ND @ 1 ug/L	ND @ 1 ug/L			
Methylene chloride	ND @ 1 ug/L	NA	NA	NA			
Naphthalene	7u <u>g/L</u>	ND @ 1 ug/L	ND @ 1 ug/L	ND @ 1 ug/L			
n-Butylbenzene	ND @ 1 ug/L	ND @ 1 ug/L	ND @ 1 ug/L	ND @ 1 ug/L			
n-Propylbenzene	ND @ 1 ug/L	ND @ 1 ug/L	ND @ 1 ug/L	ND @ 1 ug/L			
o-Xylene	1ug/L	ND @ 2 ug/L	ND @ 2 ug/L	ND @ 2 ug/L			
p-&m- Xylenes	3ug/L	ND @ 2 ug/L	ND @ 2 ug/L	ND @ 2 ug/L			
p-isopropyitoluene	ND @ 1 ug/L	ND @ 1 ug/L	ND @ 1 ug/L	ND @ 1 ug/L			
sec-Butylbenzene	ND @ 1 ug/L	ND @ 1 ug/L	ND @ 1 ug/L	ND @ 1 ug/L			
Styrene	ND @ 1 ug/L	NA	NA	NA			
tert-Butylbenzene	ND @ 1 ug/L	ND @ 1 ug/L	ND @ 1 ug/L	ND @ 1 ug/L			
Tetrachloroethylene	ND @ 1 ug/L	NA	NA	NA			
Toluene	ND @ 1 ug/L	ND @ 1 ug/L	ND @ 1 ug/L	ND @ 1 ug/L			
ans-1,3-Dichloropropylene	ND @ 1 ug/L	NA	NA	NA			
trichloroethylene	ND @ 1 ug/L	NA	NA	NA			
Trichlorofluoromethane	ND @ 1 ug/L	NA	NA	NA			
Vinyl chloride	ND @ 1 ug/L	NA	NA	NA			
Methyl-tert-butyl-ether	NA	ND @ 1 ug/L	ND @ 1 ug/L	ND @ 1 ug/L			
Total Xylenes	NA	ND @ 2 ug/L	ND @ 2 ug/L	ND @ 2 ug/L			

N/A - Not Analyzed

#### TABLE 3.0 City of Poughkeepsie DeLaval Property Ground Water Analytical Data

	7/6n 01 @ ON	ND @ 10 ng/L	7/6n 01 @ ON	7/6n 01 @ ON	N-Nitrosodi-n-ibosoniiN-N	
•	7/6n 01 @ ON	7/ôn 01 @ ON	ND @ 10 n0/ך	ND @ 10 ng/L	Aitrobenzene	-
	7/6n 01 @ UN	7/6n 01 @ ON	7/Ôn 01 @ ON	ND @ 10 n0/ך	Napthalene	
	7/6n 01 @ 0N	7/6n 01 @ ON	7/6n 01 @ UN	7/6n 01 @ ON	Isophorone	
	רן @ נו חוֹע קער קער קער דער דער דער דער דער דער דער דער דער ד	0 µ0 @ 10 n0/ך	7/6n 01 @ QN	7/6n 01 @ ON	Indeno(1,2,3-cd)pyrene	-
	7/6n 01 @ ON	7/6n 01 @ ON	7/6n 01 @ ON	7/6n 01 @ ON	Hexachloroethane	
	7/6n 01 @ ON	7/ôn 01 @ QN	7/ôn 01 @ UN	ND @ 10 n0/Г	Hexachlorocylcopentadiene	
	7/6n 01 @ GN	7/6n 01 @ ON	7/6n 01 @ QN	7/6n 0ι @ ΔΝ	Hexachlorobutadiene	
	7/Ôn 01 @ 0N	7/6n 01 @ 0N	7/6n 01 @ UN	7/ôn 01 @ ON	Hexachlorobenzene	
	7/ôn 01 @ 0N	7/ôn 01 @ ON	7/ôn 01 @ GN	7/0n 01 @ ON	Flourene	
	7/6n 01 @ ON	7/6n 01 @ ON	7/ôn 01 @ ON	7/ôn 01 @ ON	Flouanthene	
	7/6n 01 @ GN	7/0n 01 @ ON	7/ôn 01 @ ON	7/Ôn 01 @ 0N	Di-n-octylphthalate	
	7/6n 01 @ QN	7/6n 01 @ ON	7/6n 01 @ ON	7/6n 01 @ ON	Di-n-butylphthalate	
	7/6n 01 @ ON	7/6n 01 @ UN	7/6n 01 @ ON	7/ôn 01 @ ON	Di o buttlabitatite	
	7/6n 01 @ ON	7/6n 01 @ 0N	7/6n 01 @ ON	7/6n 01 @ 0N	Diethylphthalate	-
	7/6n 01 @ 0N	7/6n 01 @ ON	7/6n 01 @ GN	7/6n 01 @ ON	Dibenzofuran	
	7/6n 01 @ ON	7/6n 01 @ UN	7/6n 01 @ QN	7/ôn 01 @ ON	Dibenzo(a,h)anthracene	
	7/6n 01 @ GN	7/6n 01 @ ON	7/ôn 01 @ GN	7/6n 01 @ ON		
	7/6n 01 @ ON	7/6n 01 @ GN	7/6n 01 @ ON	7/6n 01 @ ON	Butyl benzyl phthalate	
	7/6n 01 @ ON	7/6n 01 @ ON	7/6n 01 @ ON	7/6n 01 @ ON	Bis(2-ethylhexyl)phthalate	
	7/6n 01 @ ON	7/6n 01 @ ON	7/6n 01 @ GN	7/6n 01 @ 0N	Bis(2-chloroisopropyl)ether	
	7/6n 01 @ ON	7/ôn 01 @ ON	7/6n 01 @ ON	7/6n 01 @ GN	Bis(2-chloroethyl)ether	
	7/6n 01 @ ON	7/6n 01 @ 0N	7/6n 01 @ ON	7/6n 01 @ ON	Bis(2-chloroethoxy)methane	
	"]/6n 01 @ 0N	7/6n 01 @ UN	7/6n 01 @ ON	7/6n 01 @ ON	Benzo(k)flouranthene	
	7/6n 01 @ ON	7/6n 01 @ ON	7/6n 01 @ GN	7/6n 01 @ ON		
	7/6n 01 @ ON	7/6n 01 @ 0N	7/6n 01 @ ON	7/ôn 01 @ UN	Benzo(b)flouranthene	
	7/6n 01 @ ON		7/6n 01 @ GN	7/6n 01 @ ON	Benzo(a)pyrene	
	7/6n 01 @ GN	7/6n 01 @ 0N	7/6n 01 @ ON	/on 01 @ ON	Benzo(a)anthracene	_
	7/ôn 01 @ ON	7/6n 01 @ GN	7/6n 01 @ ON	7/6n 01 @ ON	Anthracene	
	7/6n 01 @ GN	7/6n 01 @ 0N	7/6n 01 @ ON	7/6n 01 @ ON	Acenaphthylene	
	7/6n 01 @ GN	7/6n 01 @ 0N	7/ôn 01 @ ON	7/ôn 01 @ ON	Aceaptitylopo	
	7/6n 01 @ ON	7/6n 01 @ 0N	7/ôn 01 @ ON	7/6n 01 @ ON	4-Vitroanaline	
	7/6n 01 @ ON	7/6n 01 @ ON	7/6n 01 @ ON	7/6n 01 @ QN	4-Chlorphenyl phenyl ether	
	7/6n 01 @ ON	7/6n 01 @ UN	7/6n 01 @ UN		4-Chloroanaline	
	7/6n 01 @ UN		7/6n 01 @ 0N		4-Bromophenyl phenyl ehter	
	7/6n 01 @ ON	7/6n 01 @ UN	7/6n 01 @ 0N	<u>רו @ ו0, 01 ∩ 0/</u> רו @ ו0, ר	3-Nitroanaline	
		7/6n 01 @ 0N	7/6n 01 @ 0N			
	7/6n 01 @ ON		Π/6n 01 @ ΔΝ		3-3'-Dichlorobenzidine	
				7/6n 01 @ ON	2-Microsoftine	
	7/0n 01 @ ON		7/6n 01 @ ON		2-Methylnaphthalene	
	7/ôn 01 @ 0N		7/6n 01 @ 0N	7/ôn 01 @ 0N	2-Chloronaphthalene	
	7/6n 01 @ ON	7/0n 01 @ ON	ND @ 10 n0/۲	7/6n 01 @ ON	2,6-Dinitrotoluene	
	7/6n 01 @ ON	7/6n 01 @ ON	ח <u>ס</u> ו0 ח∂/ך		2,4-Dinitrotoluene	
	7/ôn 01 @ UN	7/6n 01 @ ON	7/6n 01 @ 0N	7/6n 01 @ 0N	1 1,4-Dichlorobenzene	
	1/6n 01 @ ON	7/6n 01 @ ON	7/6n 01 @ UN	7/6n 01 @ ON	1,3-Dichlorobenzene	
	7/6n 01 @ ON	1/ôn 01 @ 0N	7/ôn 01 @ ON	ND @ 10 n0/F	1,2-Dichlorobenzene	
	<u>רם ₪ 10 חס/ך 01 חס/ך</u>	_1/6n 01 @ ON	7/6n 01 @ GN	7/6n 01 @ GN	1,2,4-Trichlorobenzene	
	COP-MW-17	COP-MW-16	COP-MW-15	COP-MW-14	Parameter	-

### TABLE 3.0 City of Poughkeepsie DeLaval Property

	Ground Water Analytical Data				
Parameter	COP-MW-14	COP-MW-15	COP-MW-16	COP-MW-17	
N-Nitrosodiphenylamine	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L	
Phenanthrene	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L	
Pyrene	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L	
1,1,1,2-Tetrachloroethane	NA	NA	NA	NA NA	
1,1,1-Trichloroethane	NA	NA	NA	NA	
1,1,2,2-Tetrachloroethane	NA	NA	NA	NA	
1,12-Trichloroethane	NA	NA	NA	NA	
1,1-Dichloroethane	NA	NA	NA	NA	
1,1-Dichloroethylene	NA	NA	NA	NA	
1,1-Dichloropropylene	NA	NA	NA	NA	
1,2,3-Trichlorobenzene	NA –	NA	NA	NA	
1,2,3-Trichloropropane	NA	NA	NA	NA	
1,2,3-Trimethylbenzene	NA	NA	NA	NA	
1,2,4-Trichlorobenzene	NA	NA	NA	NA	
1,2,4-Trimethylbenzene	ND @ 1 ug/L	ND @ 1 ug/L	ND @ 1 ug/L	ND @ 1 ug/L	
1,2-Dibromo-3-chloropropane	NA	NA	NA	NA NA	
1,2-Dibromoehtane	NA	NA	NA	NA NA	
1,2-Dichlorobenzene	NA	NA	NA	NA	
1,2-Dichloroethane	NA	NA	NA	NA	
1,2-Dichloroethylene (Total)	NA	NA	NA	NA	
1,2-Dichloropropane	NA	NA	NA	NA	
1,3,5-Trimethylbenzene	ND @ 1 ug/L	ND @ 1 ug/L	ND @ 1 ug/L	ND @ 1 ug/L	
1,3-Dichlorobenzene	NA	NA	NA	NA.	
1,3-Dichloropropane	NA	NA	NA	NA	
1,4-Dichlorobenzene	NA	NA	NA	NA	
1-Chlorhexane	NA	NA	NA	NA	
2,2-Dichloropropane	NA	NA	NA	NA	
2-Chlorotoluene	NA	NA	NA	NA	
4-Chlorotoluene	NA	NA	NA	NA	
Benzene	ND @ 1 ug/L	ND @ 1 ug/L	ND @ 1 ug/L	ND @ 1 ug/L	
Bromobenzene	NA	NA	NA	NA	
Bromochloromethane	NA	NA	NA	NA	
Bromodichloromethane	NA	NA	NA	NA	
Bromoform	NA	NA	NA	NA	
Bromomethane	NA	NA	NA	NA	
Carbon tetrachloride	NA	NA	NA	NA	
Chlorbenzene	NĂ	NA	NA	NA	
Chlorethane	NA	NA	NA	NA	
Chlorform	NA	NA	NA	NA	
Chlormethane	NA	NA	NA	NA	
cis-1,3-Dichorpropylene	NA	NĂ	NA	NA	
Dibromochloromethane	NA	NA	NA	NA	
Dibromomethane	NA	NA	NA	NA	
Dichlorodifluoromethane	NA	NA	NA	NA	
Ethylbenzene	ND @ 1 ug/L	ND @ 1 ug/L	ND @ 1 ug/L	ND @ 1 ug/L	
Hexachlorobutadiene	NA	NA	NA	NA	

TABLE 3.0					
City of Poughkeepsie					
DeLaval Property					
	Groun	d Water Analytic	al Data		
Parameter	COP-MW-14	COP-MW-15	COP-MW-16	COP-MW-17	
Isopropylbenzene	ND @ 1 ug/L	ND @ 1 ug/L	ND @ 1 ug/L	ND @ 1 ug/L	
Methylene chloride	NA	NA	NA	NA	
Naphthalene	ND @ 1 ug/L	ND @ 1 ug/L	ND @ 1 ug/L	ND @ 1 ug/L	
n-Butylbenzene	ND @ 1 ug/L	ND @ 1 ug/L	ND @ 1 ug/L	ND @ 1 ug/L	
n-Propylbenzene	ND @ 1 ug/L	ND @ 1 ug/L	ND @ 1 ug/L	ND @ 1 ug/L	
o-Xylene	ND @ 2 ug/L	ND @ 2 ug/L	ND @ 2 ug/L	ND @ 2 ug/L	
p-&m- Xylenes	ND @ 2 ug/L	ND @ 2 ug/L	ND @ 2 ug/L	ND @ 2 ug/L	
p-Isopropyltoluene	ND @ 1 ug/L	ND @ 1 ug/L	ND @ 1 ug/L	ND @ 1 ug/L	
sec-Butylbenzene	ND @ 1 ug/L	ND @ 1 ug/L	ND @ 1 ug/L	ND @ 1 ug/L	
Styrene	NA	NA	NA	NA	
tert-Butylbenzene	ND @ 1 ug/L	ND @ 1 ug/L	ND @ 1 ug/L	ND @ 1 ug/L	
Tetrachloroethylene	NA	NA	NA	NA	
Toluene	ND @ 1 ug/L	ND @ 1 ug/L	ND @ 1 ug/L	ND @ 1 ug/L	
trans-1,3-Dichloropropylene	NA	NA	NA	NA	
trichloroethylene	NA	NA	NA	NA	
Trichlorofluoromethane	NA	NA	NA	NA NA	
Vinyl chloride	NA	NA	NA	NA	
Methyl-tert-butyl-ether	ND @ 1 ug/L	ND @ 1 ug/L	ND @ 1 ug/L	ND @ 1 ug/L	
Total Xylenes	ND @ 2 ug/L	ND @ 2 ug/L	ND @ 2 ug/L	ND @ 2 ug/L	

N/A - Not Analyzed

# TABLE 3.0City of PoughkeepsieDeLaval PropertyGround Water Analytical Data

·	
Parameter	TP-89
1,2,4-Trichlorobenzene	ND @ 33,000 ug/L
1,2-Dichlorobenzene	ND @ 33,000 ug/L
1,3-Dichlorobenzene	ND @ 33,000 ug/L
1,4-Dichlorobenzene	ND @ 33,000 ug/L
2,4-Dinitrotoluene	ND @ 33,000 ug/L
2,6-Dinitrotoluene	ND @ 33,000 ug/L
2-Chloronaphthalene	ND @ 33,000 ug/L
2-Methylnaphthalene	ND @ 33,000 ug/L
2-Nitroanaline	ND @ 170,000 ug/L
3-3'-Dichlorobenzidine	ND @ 33,000 ug/L
3-Nitroanaline	ND @ 170,000 ug/L
4-Bromophenyl phenyl ehter	ND @ 33,000 ug/L
4-Chloroanaline	ND @ 33,000 ug/L
4-Chlorphenyl phenyl ether	ND @ 33,000 ug/L
4-Nitroanaline	ND @ 170,000 ug/L
Aceaphthene	ND @ 33,000 ug/L
Acenaphthylene	ND @ 33,000 ug/L
Anthracene	ND @ 33,000 ug/L
Benzo(a)anthracene	ND @ 33,000 ug/L
Benzo(a)pyrene	ND @ 33,000 ug/L
Benzo(b)flouranthene	ND @ 33,000 ug/L
Benzo(g,h,I)perylene	ND @ 33,000 ug/L
Benzo(k)flouranthene	ND @ 33,000 ug/L
Bis(2-chloroethoxy)methane	ND @ 33,000 ug/L
Bis(2-chloroethyl)ether	ND @ 33,000 ug/L
Bis(2-chloroisopropyl)ether	ND @ 33,000 ug/L
Bis(2-ethylhexyl)phthalate	ND @ 33,000 ug/L
Butyl benzyl phthalate	ND @ 33,000 ug/L
Chrysene	ND @ 33,000 ug/L
Dibenzo(a,h)anthracene	ND @ 33,000 ug/L
Dibenzofuran	ND @ 33,000 ug/L
Diethylphthalate	ND @ 33,000 ug/L
Dimethylphthalate	ND @ 33,000 ug/L
Di-n-butylphthalate	ND @ 33,000 ug/L
Di-n-octylphthalate	ND @ 33,000 ug/L
Flouanthene	ND @ 33,000 ug/L
Flourene	ND @ 33,000 ug/L
Hexachlorobenzene Hexachlorobutadiene	ND @ 33,000 ug/L
Hexachlorocylcopentadiene	ND @ 33,000 ug/L
Hexachloroethane	ND @ 33,000 ug/L
	ND @ 33,000 ug/L
Indeno(1,2,3-cd)pyrene	ND @ 33,000 ug/L
Isophorone	ND @ 33,000 ug/L
Napthalene	ND @ 33,000 ug/L
Nitrobenzene	ND @ 33,000 ug/L
N-Nitrosodi-n-propylamine	ND @ 33,000 ug/L

# TABLE 3.0 City of Poughkeepsie DeLaval Property Ground Water Analytical Data

Parameter	
N-Nitrosodiphenylamine	TP-89
Phenanthrene	ND @ 33,000 ug/L
	ND @ 33,000 ug/L
Pyrene	ND @ 33,000 ug/L
1,1,1,2-Tetrachloroethane	NA
1,1,1-Trichloroethane	NA
1,1,2,2-Tetrachloroethane	NA
1,12-Trichloroethane	. NA
1,1-Dichloroethane	<u>NA</u>
1,1-Dichloroethylene	NA
1,1-Dichloropropylene	NA
1,2,3-Trichlorobenzene	NA
1,2,3-Trichloropropane	NA
1,2,3-Trimethylbenzene	<u>NA</u>
1,2,4-Trichlorobenzene	<u>NA</u>
1,2,4-Trimethylbenzene	NA
1,2-Dibromo-3-chloropropane	<u>NA</u>
1,2-Dibromoehtane	NA
1,2-Dichlorobenzene	<u>NA</u>
1,2-Dichloroethane	<u>NA</u>
1,2-Dichloroethylene (Total)	NA
1,2-Dichloropropane	NA
1,3,5-Trimethylbenzene	NA
1,3-Dichlorobenzene	<u>NA</u>
1,3-Dichloropropane	NA
1,4-Dichlorobenzene	NA
1-Chlorhexane	NA
2,2-Dichloropropane	<u>NA</u>
2-Chlorotoluene	NA
4-Chlorotoluene	NA
Benzene	<u>NA</u>
Bromobenzene	NA
Bromochloromethane	<u>NA</u>
Bromodichloromethane	NA
Bromoform	NA
Bromomethane	NA
Carbon tetrachloride	NA
Chlorbenzene	NA
Chlorethane	NA
Chlorform	NA
Chlormethane	NA
cis-1,3-Dichorpropylene	NA
Dibromochloromethane	NA
Dibromomethane	NA
Dichlorodifluoromethane	NA
Ethylbenzene	NA
Hexachlorobutadiene	NA

Parameter	TP-89	

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#### TABLE 3.0 City of Poughkeepsie <u>DeLaval</u> Property And Water Analytical Data

	·		ιυμ
	Isopropylbenzene	GNAund Water Au	naly
	Methylene chloride	NA	-
	Naphthalene	NA	
	n-Butylbenzene	NA	
	n-Propylbenzene	NA	
	o-Xylene	NA	
	p-&m- Xylenes	NA	
	p-Isopropyltoluene	· NA	
Ì	sec-Butylbenzene	NA	
	Styrene	NA	
	tert-Butylbenzene	NA	
Úlima	Tetrachloroethylene	NA	
_	Toluene	NA	
	trans-1,3-Dichloropropylene	NA	
600 mm	trichloroethylene	<u>NA</u>	
	Trichlorofluoromethane	NA	
	Vinyl chloride	NA	
	Methyl-tert-butyl-ether	NA	
	Total Xylenes	NA	

N/A - Not Analyzed

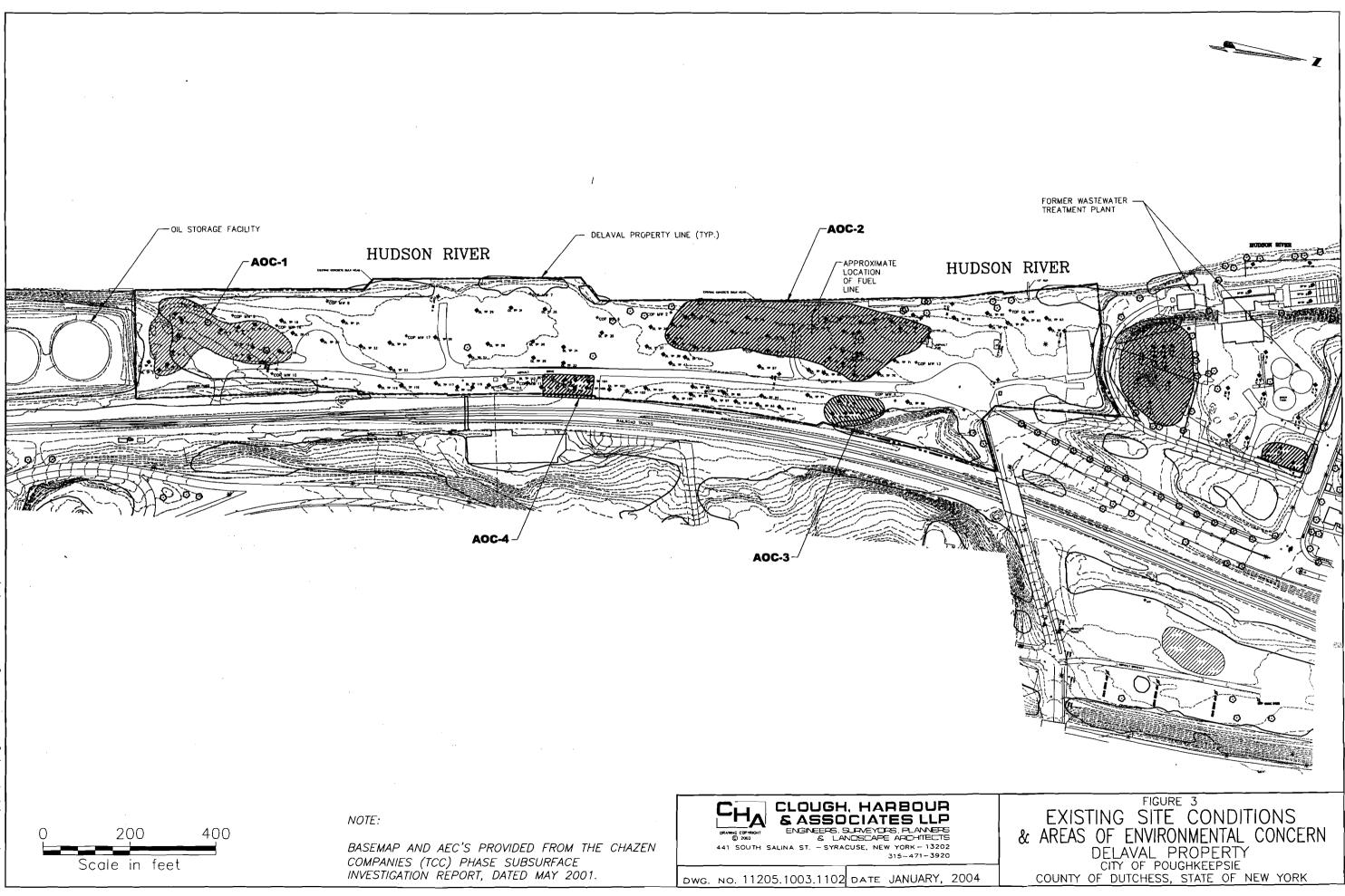


#### **APPENDIX B**

Monitoring Well, Soil Boring, and Test Pit Location Map

#### **APPENDIX C**

### **Contaminant Delineation Map**



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